Check List 8(3): 375-407, 2012
© 2012 Check List and Authors
ISSN 1809-127X (available at *www.checklist.org.br*)

Check List
Journal of species lists and distribution

LISTS OF SPECIES

# Synthesis of Brazilian Rotifera: An updated list of species

André R. S. Garraffoni* and Anete P. Lourenço

Universidade Federal dos Vales do Jequitinhonha e Mucuri, Departamento de Ciências Biológicas, Campus JK, Rodovia BR-367, no. 5000. CEP 39100-000. Diamantina, MG, Brazil
* Corresponding author. E-mail: *garraffoni@gmail.com*

**ABSTRACT:** A checklist of species of Rotifera recorded for Brazilian inland waters is provided. A total of 625 species, with representatives from 84 genera are listed. The list comprises reports of rotifers documented in 132 studies, including regional ecological (58%) and taxonomic/biodiversity (42%) studies carried out until early of the year 2012. More than 75% of the species were recorded from the states of Pará, São Paulo, Mato Grosso do Sul, Paraná, Rio de Janeiro, Pernambuco, and Minas Gerais. We hope that this survey will serve as a baseline for future studies.

## INTRODUCTION

Rotifera is a group of minute, primarily freshwater invertebrates (Segers 2008). This taxon comprises transparent microscopic eutelic metazoans (50-2000 μm), with three main body regions: head, trunk, and foot (Fontaneto *et al*. 2008). Although the morphology of different species varies widely, all of them possess a specialized masticatory organ containing a set of densely sclerotised trophi (Fontaneto *et al*. 2008).

Rotifers can be divided into two major groups: the heterogonic Monogononta and the exclusively parthenogenetic Bdelloidea (Melone *et al*. 1998; Segers 2008). A total of 1,570 valid species of Monogononta and 461 Bdelloidea are recognized worldwide, and from the Neotropics, 566 monogononts and 116 bdelloids are known (Segers 2007; 2008).

In Brazil, the first studies on the diversity of Rotifera were carried out by foreign researchers during scientific expeditions at the end of the 19th century and the beginning of the 20th (e.g., Zelinka 1891; Murray 1913). Research on rotifers has, however, increased enormously in the last 50 years from both the ecological and taxonomic points of view. Works published in this period comprise almost all that is known about the group in Brazil (for reviews, see Neumann-Leitão 1990; Medeiros and Hadel 1999; Aoyagui and Bonecker 2004a).

The first Rotifera species list in Brazil was published by Krau (1967), who listed 49 genera and 161 species. Three decades later, Oliveira-Neto and Moreno (1998) published a list reporting 49 genera and 457 species. In spite of the large amount of information in these two lists, many additional species have been recently reported from Brazil (Segers 1997; Segers and Pourriot 1997; de Paggi *et al.* 2000; Koste 2000), and new taxonomic arrangements have been proposed (Segers 1996; 2003; Bezerra-Neto *et al.* 2004; Segers and Wallace 2001; Joko *et al.* 2008; Segers and De Smet 2008). With this information, the need for an updated list becomes evident. The present study developed a revised and updated checklist of Rotifera species recorded in Brazil. We expect that this new list will help to stimulate more research activity in this country, thereby enhancing knowledge of the diversity and significance of the Rotifera fauna.

## MATERIALS AND METHODS

We critically examined the bibliographical data on Brazilian Rotifera, including theses and taxonomic and ecological literature. The literature was surveyed by searching academic databases (ISI Web of Knowledge, Zoological Record™, and Google Scholar) and scientific publications with reports of Rotifera. Whenever a record was considered doubtful, we followed Segers (2007) to elucidate questionable nomenclature and the status of the species. Species for which we were not able to confirm the status are included in Table 1.

In the present list, the genus and species names are arranged alphabetically in order to facilitate the search for a given taxon. No specimens were re-examined, but we are aware that some reported records need to be confirmed, since misidentifications may have occurred. The first time that a reference is cited in the checklist, it is followed by an abbreviation that indicates the subject of the paper: Zooplankton Ecology (ZE), Rotifer Ecology (RE), Rotifer Taxonomy (RT), Rotifer Biodiversity (RB), Rotifer Checklist (RC) and Catalogue of Rotifer Type Specimens (CR).

## RESULTS AND DISCUSSION

A total of 132 studies about Brazilian Rotifera were analyzed, including 123 papers and nine theses. Of the reports analyzed, 56 are on zooplankton ecology, 21 on rotifer ecology, 40 on rotifer taxonomy, nine on rotifer biodiversity, five on rotifer checklists, and 1 is a catalogue of rotifer type specimens.

More than 78% of the studies were concentrated in six states: Pará (22), São Paulo (20), Mato Grosso do Sul-Paraná (15), Rio de Janeiro (13), Pernambuco (12),

**Table 1.** List of species mentioned in the literature but not included in the checklist because their records presented uncertainties.

| SPECIES | LITERATURE |
|---|---|
| *Brachionus quadridentatus minor* | Koste *et al.* 1984. |
| *Dicranophorus macrodactyla* Hauer | Koste 1972a. |
| *Filinia limnetica* var. *saltator* | Koste 1972a; Koste and Robertson 1983; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Sampaio and Lopez 2000. |
| *Keratella americana* f. *pust* | Koste *et al.* 1984. |
| *Keratella americana* f. *typica* | Koste *et al.* 1984. |
| *Keratella cochlearis brevispina* | Sampaio *et al.* 2002. |
| *Lecane astia* | Koste and Robertson 1990. |
| *Lecane atrandti* | Oliveira-Neto and Moreno 1998. |
| *Lecane lunares* | Sampaio and Lopez 2000. |
| *Lecane lunaris aris* | Crispim and Watanabe 2000. |
| *Lecane pyriformis quadridentata* | Oliveira-Neto and Moreno 1998. |
| *Replochalris propatula* | Espíndola *et al.* 1996. |
| *Rotaria bdelloides* (Berzins) | Oliveira 1959; Krau 1967. |
| *Testudinella tridentata braziliensis* | Koste 1972a. |
| *Trichocerca grandis* | Branco *et al.* 2007. |
| *Trichocerca pediculae* | Espíndola *et al.* 1996. |

and Minas Gerais (10). Only 23% of the records refer to 12 other states: Roraima (5), Goiás (4), Mato Grosso (4), Paraiba (3), Rio Grande do Norte (2), Rio Grande do Sul (1), Santa Catarina (1), Piauí (1), Ceará (1), Paraná (3), Acre (1), and Maranhão (1).

We were able to identify 625 valid species and 84 genera recorded in Brazil and the family Lecanidae is the most speciose in Brazil, with 103 species belonging to 1 genus (Table 2).

According to the list of global distributions of valid species provided by Segers (2007), the geographical ranges of many species (403) reported for Brazil are broad, and they can also be found in other geographic regions (e.g., Palaearctic, Nearctic, etc.). In contrast, only 43 species are endemic to the Neotropical region. Moreover, Segers (2007) did not list 99 species reported for Brazil in the Neotropical region, which may indicate that these species were misidentified. Finally, we were not able to gather data for 80 species because their distribution was not listed by Segers (2007).

## Systematic checklist

Genus *Acyclus* Leidy, 1882
*Acyclus inquietus* Leidy, 1882
Koste 1972a (RT).

Genus *Adineta* Hudson and Gosse, 1886
*Adineta longicornis* Murray, 1906
Murray 1913 (RT); Krau 1967 (RC).
*Adineta vaga* (Davis, 1873)
Murray 1913; Krau 1967.

Genus *Anuraeopsis* Lauterborn, 1900
*Anuraeopsis coelata* de Beauchamp, 1932
Koste 1972a; Bozelli 1992 (ZE).
*Anuraeopsis fissa* Gosse, 1851
Syn.: *Anuraeopsis hypelasma* Gosse, 1886
Murray 1913; Hauer 1953 (RT); Krau 1967; Koste 1972a; 1974a; Koste *et al.* 1984 (RT); Turner and da Silva 1992 (RT); Bozelli 1992; Dabés 1995 (ZE); Campos *et al.* 1996 (ZE); Oliveira-Neto and Moreno 1998 (RC); Landa and Mourgés-Schurter 2000a (ZE), b (ZE); Esteves *et al*. 2000; Neto 2001; Landa *et al.* 2002 (RE); Sampaio *et al.* 2002 (ZE); Bonecker *et al.* 2005 (RE); Cabianca 2005 (ZE); Almeida *et al.* 2006; Abra 2008 (RE); Maia-Barbosa *et al.* 2008 (ZE); Branco *et al.* 2008 (ZE); Casanova *et al.* 2009 (RE); Ferraz *et al.* 2009 (ZE); Millan 2009 (ZE); Souza-Soares *et al*. 2011 (RC); Dantas-Silva and Dantas 2012 (RE).

**Table 2.** Species and genera richness of Brazilian Rotifera gathered in the present study.

| FAMILY | SPECIES | GENERA |
|---|---|---|
| Lecanidae | 103 | 1 |
| Branchionidae | 72 | 7 |
| Notommatidae | 62 | 10 |
| Lepadellidae | 61 | 4 |
| Trichorcerdidae | 61 | 1 |
| Flosculariidae | 38 | 7 |
| Philodonidae | 27 | 6 |
| Dicranophoridae | 22 | 7 |
| Testudinellidae | 21 | 2 |
| Synchaetidae | 20 | 2 |
| Collothecidae | 12 | 2 |
| Trichotriidae | 15 | 2 |
| Mytilinidae | 15 | 2 |
| Euchlanidae | 11 | 4 |
| Habrotrochidae | 11 | 1 |
| Gastropodidae | 10 | 2 |
| Hexarthridae | 7 | 1 |
| Filiniidae | 9 | 1 |
| Epiphanidae | 8 | 3 |
| Asplanchnidae | 7 | 3 |
| Proalidae | 7 | 3 |
| Conochilidae | 5 | 1 |
| Lindiidae | 4 | 1 |
| Atrochidae | 3 | 3 |
| Trochosphaeridae | 3 | 2 |
| Scaridiidae | 3 | 1 |
| Ituridae | 3 | 1 |
| Adinetidae | 2 | 1 |
| Microcodidae | 1 | 1 |
| Tetrasiphonidae | 1 | 1 |
| *Species inquirendae* | *Vanoyella globosa* | *Vanoyella* |

*Anuraeopsis fissa fissa* Gosse, 1851
Koste 1972a; Padovesi-Fonseca *et al*. 2011 (RC).
*Anuraeopsis navicula* Rousselet, 1911
Syn.: *Anuraeopsis fissa navicula* Rousselet, 1911
Ahlstrom 1938 (RT); Hauer 1953; Krau 1967; Koste 1972a; 1974a; Koste and Robertson 1983 (RT); Koste *et al.* 1984; Koste and Hardy 1984 (RT); Bozelli 1992; Dabés 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Moretto 2001 (ZE); Sampaio *et al.* 2002; Lucinda *et al.* 2004 (RE); Abra 2008; Neves and Serafim-Júnior 2007 (ZE); Maia-Barbosa *et al.* 2008; Millan 2009; Santos 2010; (ZE) Souza-Soares *et al*. 2011.
*Anuraeopsis quadriantennata* (Koste, 1974a)
*Paranuraeopsis quadriantennata* Koste, 1974a
Koste 1974a (RT), b (RT); 1978a (RT); Schaden 1976 (ZE); Neumann-Leitão 1990 (RT); Bozelli 1992.
*Anuraeopsis siolii* Koste, 1972a
Koste 1972a; Koste and Hardy 1984; Bozelli 1992; Espíndola *et al.* 1996 (ZE); Magalhães and Pimpão 2004 (CR); de Melo *et al.* 2006.
*Anuraeopsis urawensis* Sudzuki, 1957
Souza-Soares *et al*. 2011.

Genus *Ascomorpha* Perty, 1850
*Ascomorpha agilis* Zacharias, 1853
Landa *et al.* 2002; Landa and Mourgés-Schurter 2000a,b; Lansac-Tôha *et al.* 2009 (ZE).
*Ascomorpha ecaudis* Perty, 1850
Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Bozelli 1992; Dabés 1995; Espíndola *et al.* 2000 (ZE); Landa and Mourgés-Schurter 2000a; Branco *et al.* 2000; 2002; 2005 (RB); 2007; 2008; Landa *et al.* 2002; Aoyagui *et al.* 2003 (RE); Rossa and Bonecker 2003 (RE); Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Batista 2007 (ZE); Abra 2008; Nascimento 2008; Palazzo *et al.* 2008 (ZE); Bonecker *et al.* 2009 (RE); Borges and Pedrozo 2009 (ZE); Casanova *et al.* 2009; Millan 2009; Negreiros *et al.* 2010 (RE); Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Ascomorpha klementi* (Hauer, 1965)
*Chromogaster klementi* Hauer, 1965
Hauer 1965 (RT); Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Koste and Hardy 1984; Bozelli 1992; Aoyagui *et al.* 2003.
*Ascomorpha ovalis* (Bergendal, 1892)
Koste 1972a; Matsumura-Tundisi *et al.* 1990 (RE); Turner and da Silva 1992; Segers and Dumont 1995; Espíndola *et al.* 1996; 2000; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Casanova *et al.* 2009; Negreiros *et al*. 2010; Serafim-Júnior *et al.* 2010 (RE); Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Ascomorpha saltans* Bartsch, 1870
Koste *et al.* 1984; Turner and da Silva 1992; Bozelli 1992; Dabés 1995; Espíndola *et al.* 1996; 2000; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Branco *et al.* 2000 (ZE); 2005; 2008; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Sendacz *et al.* 2006 (ZE); Serafim-Júnior *et al.* 2006 (ZE); 2010; Batista 2007; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Ascomorpha saltans saltans* (Bartch, 1870)
Koste 2000 (RT).
*Ascomorpha tundisii* Segers and Dumont, 1995
Segers and Dumont 1995 (RT); Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

Genus *Aspelta* Harring and Myers, 1928
*Aspelta aper* (Harring, 1913)
Koste *et al.* 1984.
*Aspelta angusta* Harring and Myers, 1928
Serafim-Júnior *et al.* 2003 (RE); Lucinda *et al.* 2004; Abra 2008; Souza-Soares *et al*. 2011.
*Aspelta circinator* (Gosse, 1886)
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

Genus *Asplanchna* Gosse, 1850
*Asplanchna brightwellii* Gosse, 1850
Spandl 1926 (ZE); Ahlstrom 1938; Krau 1967 (RC); Oliveria *et al.* 1967 (ZE); Green 1972 (RB); Koste 1974a,b; Schaden 1976; 1978 (RT); Neumann-Leitão 1990; Espíndola *et al.* 1996; Keppeler 2003 (ZE); Keppeler and Hardy 2004 (RE); Abra 2008; Branco *et al.* 2007 (ZE); Casanova *et al.* 2009; Souza-Soares *et al*. 2011.
*Asplanchna girodi* de Guerne, 1888
Hauer 1953; Krau 1967; Branco *et al.* 2002 (ZE); Millan 2009; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Asplanchna herrickii* De Guerne, 1888
Neumann-Leitão 1985/1986a (RT); Neumann-Leitão 1990; Melo-Junior *et al.* 2007 (RB).
*Asplanchna priodonta* Gosse, 1850
Syn.: *Asplanchna priodonta priodonta* Gosse, 1850
Neumann-Leitão 1985/1986a; Neumann-Leitão and de Souza 1987 (RT); Neumann-Leitão 1990; Bozelli 1992; Landa and Mourgés-Schurter 2000a,b; Landa *et al.* 2002; Melo-Junior *et al.* 2007; Lansac-Tôha *et al.* 2009; Dantas-Silva and Dantas 2012.

*Asplanchna sieboldii* (Leydig, 1854)
Syn.: *Asplanchnella sieboldii* (Leydig, 1854)
Hauer 1953; 1965; Krau 1967; Thomasson 1971 (RT); Koste 1972a; 1974b; Schaden 1976; Koste and Robertson 1983; Koste and Hardy 1984 (RT); Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Turner and da Silva 1992; Segers and Sarma 1993 (RT); Dabés 1995; Campos *et al.* 1996; Nogueira and Matsumura-Tundisi 1996 (ZE); Garcia *et al.* 1998 (RE); Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Keppeler 2003; Neves *et al.* 2003 (ZE); Lucinda *et al.* 2004; Keppeler and Hardy 2004; Rossa and Bonecker 2003; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Branco *et al.* 2008; Nascimento 2008; Ferraz *et al.* 2009; Santos 2010; Souza-Soares *et al*. 2011.

Genus *Asplanchnopus* de Guerne, 1888
*Asplanchnopus hyalinus* Harring, 1913
Koste 1972b (RT), 1974b; Neumann-Leitão 1990; Almeida *et al.* 2006 (RE); Melo-Junior *et al.* 2007.

Genus *Atrochus* Wierzejski, 1893
*Atrochus tentaculatus* Wierzejski, 1893
Koste *et al.* 1984; de Paggi and Koste 1995 (RC).

Genus *Balatro* Claparède, 1867
*Balatro calvus* Claparède, 1867
Koste 1972b, 1974b.

Genus *Beauchampia* Harring, 1913
*Beauchampia crucigera* (Dutrochet, 1812)
Koste 1972a,b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992.

Genus *Beauchampiella* Remane, 1929
Syn.: *Manfredium* Gallagher, 1957
*Beauchampiella eudactylota* (Gosse, 1886)
Syn.: *Beauchampiella eudactylota eudactylota* (Gosse, 1886)
Syn.: *Eudactylota wulferti* Hauer, 1965
Koste 1972a,b; 1974a,b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Turner 1990; Sendacz and Costa 1991 (ZE); Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Martinez *et al.* 2000 (RE); Neves *et al.* 2003; Bonecker *et al.* 2005; Branco *et al.* 2007; 2008; Abra 2008; Nascimento 2008; Borges and Pedrozo 2009; Millan 2009; Souza-Soares *et al*. 2011.

Genus *Brachionus* Pallas, 1766
*Brachionus adisi* Koste and Hardy, 1984
Koste and Hardy 1984; de Paggi and Koste 1995; Magalhães and Pimpão 2004.
*Brachionus ahlstromi* Lindeman, 1939
Syn.: *Brachionus caudatus* var. *personatus* Ahlstrom, 1940
Ahlstrom 1940 (RT); Hauer 1953; Krau 1967; Koste 1972a; Hardy 1980 (ZE); Koste and Robertson 1983; Reid and Turner 1988 (RT); Turner and da Silva 1992; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Cabianca 2005; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.
*Brachionus amazonicus* Koste, 1983
Syn.: *Brachionus benningi* (Leissling, 1924) after Koste, 1972
Syn.: *Brachionus urceolaris amazonica* Koste, 1983
Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Koste and Hardy 1984; de Paggi and Koste 1995; Magalhães and Pimpão 2004.
*Brachionus angularis* Gosse, 1851
Syn.: *Brachionus angularis caudatus* Barrois and Daday, 1894
Syn.: *Brachionus angularis* var. *chelonis* Ahlstrom, 1940
Syn.: *Brachionus angularis* f. *pseudodolabratus* Ahlstrom, 1940
Murray 1913; Ahlstrom 1938; 1940; Hauer 1953; Krau 1962 (RT); 1967; Green 1972; Schaden 1976; 1978; Neumann-Leitão and de Souza 1987; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Bozelli 1992; Campos *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996 (ZE); de Souza *et al.* 1998 (RB); Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000 (ZE); Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Neto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005 (ZE); Leitão *et al.* 2006 (ZE); Vitorio 2006 (RE); Eskinazi-Sant´Anna *et al.* 2007 (ZE); Melo-Junior *et al.* 2007; Maia-Barbosa *et al.* 2008; Nascimento 2008; Almeida *et al.* 2009 (ZE); Casanova *et al.* 2009; Borges and Pedrozo 2009; Ferraz *et al.* 2009; Millan 2009; Negreiros *et al*. 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Brachionus angularis angularis* Gosse, 1851
Abra 2008; Casanova *et al.* 2009.
*Brachionus angularis bidens* Plate, 1886
Souza-Soares *et al*. 2011.
*Brachionus bennini* Leissling, 1924
Koste 1972a.
*Brachionus bidentatus* Anderson, 1889
Krau 1962; Neumann-Leitão 1990; Turner and da Silva 1992; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Sampaio and Lopez 2000 (ZE); Neves *et al.* 2003; Aoyagui and Bonecker 2004b (RE); Cabianca 2005; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Ferraz *et al.* 2009.
*Brachionus bidentatus bidentatus* Anderson, 1889
Syn.: *Brachionus bidentatus crassispinus* Hauer, 1963
Syn.: *Brachionus bidentatus inermis* Rousselet, 1906
Koste *et al.* 1984; Neumann-Leitão 1985/1986a; Sendacz and Costa 1991; Nunes *et al.* 1996; Neumann-Leitão 1990; Oliveira-Neto and Moreno 1998; Vitorio 2006; Souza-Soares *et al*. 2011.
*Brachionus budapestinensis* Daday, 1885
Ahlstrom 1938; 1940; Hauer 1953; 1965; Krau 1967; Schaeden, 1976; Koste *et al.* 1984; Reid and Turner 1988; Neumann-Leitão 1990; Turner and da Silva 1992; Campos *et al.* 1996; Nunes *et al.* 1996; Garcia *et al.* 1998; Landa *et al.* 2002; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Leitão *et al.* 2006; Palazzo *et al.* 2008; Branco *et al.* 2008.
*Brachionus calyciflorus* Pallas, 1766
Syn.: *Brachionus calyciflorus* f. *anuraeiformis* (Brehm, 1909)
Syn.: *Brachionus calyciflorus* var. *dorcas* f. *spinosa* Wierzejski, 1891
Syn.: *Brachionus calyciflorus* f. *spinosus* Rousselet, 1901
Ahlstrom 1938; 1940; Hauer 1953; Krau 1962; 1967; Oliveira *et al.*, 1967 (RE); Koste 1972a; Hardy 1980; Koste *et al.* 1984; Neumann-Leitão 1985/1986a; Neumann-Leitão and de Souza 1987; Neumann-Leitão 1990; Matsumura-Tundisi *et al.* 1990; Lansac-Tôha *et al.* 1993 (ZE); Campos *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Neto 2001; Branco *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003 (ZE); Keppeler 2003; Neves *et al.* 2003; Rossa and Bonecker 2003; Keppeler and Hardy

2004; Lucinda *et al.* 2004; Ulloa 2004 (ZE); Bonecker and Aoyagui 2005 (RE); Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; Sendacz *et al.* 2006; Leitão *et al.* 2006; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Batista 2007; Cavalcanti *et al.* 2008 (ZE); Bonecker *et al.* 2009; Borges and Pedrozo 2009; Ferraz *et al.* 2009; Lansac-Tôha *et al.* 2009; Sartori *et al.* 2009 (ZE); Serafim-Júnior *et al.* 2010; Santos 2010; Dantas-Silva and Dantas 2012.

*Brachionus calyciflorus calyciflorus* Pallas, 1766

Syn.: *Brachionus pala* Ehrenberg, 1838

Syn.: *Brachionus calyciflorus amphiceros* Ehrenberg, 1838

Syn.: *Brachionus calyciflorus dorcas* Gosse, 1851

Syn.: *Brachionus gillardi* Hauer, 1966

Murray 1913; Ahlstrom 1938; 1940; Hauer 1953; 1956; 1965; Oliveira *et al.*, 1967; Krau 1967; Thomasson 1971; Koste 1972a; Schaden 1976; 1977; Koste and Hardy 1984; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Neumann-Leitão 1990; Bozelli 1992; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Martinez *et al.* 2000; Landa *et al.* 2002; Sampaio *et al.* 2002; Cabianca 2005; Almeida *et al.* 2006; 2009; Vitorio 2006; Cavalcanti *et al.* 2008; Palazzo *et al.* 2008; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Brachionus caudatus* Barrois and Daday, 1894

Syn.: *Brachionus caudatus* f. *austrogenitus* Ahlstrom, 1940

Syn.: *Brachionus caudatus* f. *ahlstromi* (Lindeman, 1939)

Syn.: *Brachionus caudatus* f. *caudatus* Barrois and Daday, 1894

Syn.: *Brachionus caudatus* f. *majusculus* Ahlstrom, 1940

Syn.: *Brachionus caudatus* f. *vulgatus* Ahlstrom, 1940

Ahlstrom 1940; Hauer 1953; Krau 1967; Koste 1972a; Schaden 1976; Paranaguá and Neumann-Leitão 1982 (RT); Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Crispim and Watanabe 2000; Esteves *et al*. 2000; Moretto 2001; Neto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Keppeler 2003; Neves *et al.* 2003; Serafim-Júnior *et al.* 2003; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Cabianca 2005; Leitão *et al.* 2006; Vitorio 2006; Abra 2008; Melo-Junior *et al.* 2007; Palazzo *et al.* 2008; Casanova *et al.* 2009; Lansac-Tôha *et al.* 2009; Millan 2009; Negreiros *et al*. 2010; Souza-Soares *et al*. 2011.

*Brachionus dimidiatus* Bryce, 1931

Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Brachionus dolabratus* Harring, 1915

Syn.: *Brachionus dolabratus dolabratus* (Harring, 1915)

Ahlstrom 1938; 1940; Hauer 1953; Krau 1967; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Sendacz and Costa 1991; Turner and da Silva 1992; Bozelli 1992; Segers *et al.* 1993b (RT); Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nunes *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Sampaio and Lopez 2000; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; de Melo *et al.* 2006 (ZE); Abra 2007; Batista 2007; Branco *et al.* 2007; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Bonecker *et al.* 2009; 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Negreiros *et al*. 2010; Serafim-Júnior *et al.* 2010; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Brachionus donneri* Brehm, 1951

Turner and da Silva 1992.

*Brachionus falcatus* Zacharias, 1898

Syn.: *Brachionus falcatus falcatus* Zacharias, 1898

Murray 1913; Ahlstrom 1938; 1940; Hauer 1953; 1965; Krau 1962; 1967; Gillard 1967 (RB); Koste 1972a; Schaden 1976; 1978; Hardy 1980; Reid and Turner 1988; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Turner and da Silva 1992; Lansac-Tôha *et al.* 1993; Segers *et al.* 1993b; Bozelli 1992; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a,b; Sampaio and Lopez 2000; Moretto 2001; Neto 2001; Martinez *et al.* 2000; Landa *et al.* 2002; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Aoyagui *et al.* 2003; Aoyagui and Bonecker 2004b; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Branco *et al.* 2005 (RT); Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; 2009; de Melo *et al.* 2006; Leitão *et al.* 2006; Vitorio 2006; Batista 2007; Branco *et al.* 2007; 2008; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Nascimento 2008; Palazzo *et al.* 2008; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Leitão *et al.* 2009; Sartori *et al.* 2009; Negreiros *et al*. 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011; Dantas-Silva and Dantas 2012.

*Brachionus forficula* Wierzejski, 1891

Syn.: *Brachionus forficula forficula* Wierzejski, 1891

Bonecker *et al.* 2005; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Serafim-Júnior *et al.* 2003; Abra 2007; Ferraz *et al.* 2009; Souza-Soares *et al*. 2011.

Remarks: Segers (2007) pointed out that the record of this species is doubtful for Neotropical region.

*Brachionus havanaensis* Rousselet, 1911

Syn.: *Brachionus variegatus* Krau, 1962

Syn.: *Brachionus havanaensis* var. *trahea* (Murray, 1913)

Syn.: *Brachionus havanaensis havanaensis* Rousselet, 1911
Murray 1913; Ahlstrom 1940; Hauer 1953; 1965; Krau 1962; 1967; Schaden 1976; Reid and Turner 1988; Neumann-Leitão 1990; Turner 1990 (RT); Crispim and Watanabe 2000; Neves *et al.* 2003; Keppeler 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; 2009; Leitão *et al.* 2006; Vitorio 2006; Branco *et al.* 2007; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Souza-Soares *et al*. 2011; Dantas-Silva and Dantas 2012.

*Brachionus incertus* Hauer, 1953
Hauer 1953; Krau 1967.

*Brachionus insuetus* (Ahlstrom, 1940)
Syn.: *Brachionus caudatus* f. *insuetus* Ahlstrom, 1940
Koste 1972a; Reid and Turner 1988; Turner and da Silva 1992; Espíndola *et al.* 1996; Serafim-Júnior *et al.* 2003.

*Brachionus leydigii* Cohn, 1862
Oliveira-Neto and Moreno 1998; Neves *et al.* 2003; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.

*Brachionus leydigii rotundus* Rousselet, 1907
Crispim and Watanabe 2000.

*Brachionus mirabilis* Daday, 1897
Krau 1962; 1967; Thomasson 1971; Koste 1972a; 1974a,b; Schaden 1976.

*Brachionus mirus* Daday, 1905
Syn.: *Brachionus mirus mirus* Daday, 1905
Syn.: *Brachionus voigti* Hauer, 1961
Syn.: *Brachionus mirus angustus* Koste, 1972a
Syn.: *Brachionus mirus reductus* Koste, 1972a
Syn.: *Brachionus mirus* f. *laticaudatus* Paggi, 1973
Syn.: *Brachionus mirus* f. *voigti* Koste, 1972a
Koste 1972a; Hardy 1980; Koste and Hardy 1984; Koste *et al.* 1984; Dabés 1995; Reid and Turner 1988; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Espíndola *et al.* 1996; 2000; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Neto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Rossa and Bonecker 2003; Serafim-Júnior *et al.* 2003; 2006; 2010; Magalhães and Pimpão 2004; Ulloa 2004; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Abra 2008; Nascimento 2008; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Negreiros *et al*. 2010; Souza-Soares *et al*. 2011.

*Brachionus plicatilis* Müller, 1786
Ahlstrom 1938; 1940; Hauer 1953; Krau 1962; 1967; 1972; Oliveira *et al.* 1971 (RE); Schaden 1976; Paranaguá and Neumann-Leitão 1980; Turner 1990; Neumann-Leitão 1990; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2007; 2008; Keppeler and Hardy 2004; Vitorio 2006; Souza-Soares *et al*. 2011.

*Brachionus plicatilis plicatilis* Müller, 1786
Syn.: *Brachionus muelleri* Ehrenberg, 1834
Murry 1913; Krau 1967; de Souza *et al.* 1998.

*Brachionus quadridentatus* Hermann, 1783
Syn.: *Brachionus bakeri* Müller, 1786
Murray 1913; Hauer 1953; Krau 1962; 1967; Schaden 1976; Thomasson 1971; Green 1972; Koste 1972a; 1974a,b; Koste and Robertson 1983; Neumann-Leitão and de Souza 1987; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Turner and da Silva 1992; Bozelli 1992; Dabés 1995; Espíndola *et al.* 1996; Branco *et al.* 2000; 2007; 2008; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a; Moretto 2001; Neto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Padovesi-Fonseca *et al*. 2011.

*Brachionus quadridentatus melheni* Barrois and Daday, 1894
Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Serafim-Júnior *et al.* 2003; Cabianca 2005.

*Brachionus quadridentatus mirabilis* Daday, 1897
Syn.: *Brachionus trahea* Murray, 1913
Murray 1913; Ahlstrom 1938; Krau 1967; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão 1990; Sendacz and Costa 1991; Oliveira-Neto and Moreno 1998; Garcia *et al.* 1998; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Branco *et al.* 2005; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Brachionus quadridentatus quadridentatus* Hermann, 1783
Syn.: *Brachionus quadridentatus* f. *ancylognathus* Schmarda, 1859
Syn.: *Brachionus quadridentatus* f. *brevispinus* Ehrenberg, 1832
Syn.: *Brachionus quadridentatus cluniorbicularis* Skorikov, 1894
Koste 1972a; Paranaguá and Neumann-Leitão 1982; Koste *et al.* 1984; Neumann-Leitão 1990; Segers and Dumont 1995; Campos *et al.* 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Neves *et al.* 2003; Lucinda *et al.* 2004; Cabianca 2005; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Brachionus rotundiformis* Tschugunoff, 1921
Branco *et al.* 2005.

*Brachionus rubens* Ehrenberg, 1838
Murray 1913; Ahlstrom 1940; Hauer 1953; Krau 1967; Leitão *et al.* 2006; Melo-Junior *et al.* 2007.

*Brachionus satanicus* Rousselet, 1913
Lansac-Tôha *et al.* 2009.

*Brachionus urceolaris* Muller, 1773
Turner and da Silva 1992; Bozelli 1994 (ZE); Campos *et al.* 1996; Garcia *et al.* 1998; Crispim and Watanabe 2000; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Souza-Soares *et al*. 2011.

*Brachionus urceolaris nilsoni* (Ahlstrom, 1940)
Crispim and Watanabe 2000.

*Brachionus urceolaris urceolaris* Müller, 1773
Koste *et al.* 1984.

*Brachionus zahniseri* Ahlstrom, 1934
Syn.: *Brachionus gessneri* Hauer, 1956
Syn.: *Brachionus zahniseri* f. *gessneri* Hauer, 1956
Syn.: *Brachionus zahniseri* f. *reductus* Hauer, 1956

Hauer 1956; Green 1972; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Koste and Hardy 1984; Sendacz and Costa 1991; Bozelli 1992; 1994; Oliveira-Neto and Moreno 1998; Espíndola *et al.* 2000; de Melo *et al.* 2006; Souza-Soares *et al*. 2011.

Genus *Bryceella* Remane, 1929
*Bryceella tenella* (Bryce, 1897)
*Stephanops tenellus* Bryce, 1897
Murray 1913; Krau 1967.

Genus *Cephalodella* Bory de St. Vincent, 1826
*Cephalodella anebodica* Bērziņš, 1976
Lansac-Tôha *et al.* 2009.
*Cephalodella auriculata* (Müller, 1773)
Oliveria 1959; Krau 1967; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Cephalodella biungulata* Wulfert, 1937
Neves *et al.* 2003; Souza-Soares *et al*. 2011.
*Cephalodella brandorffi* Koste, 2000
Koste 2000.
*Cephalodella catellina* (Müller, 1786)
Koste *et al.* 1984; Neves *et al.* 2003.
*Cephalodella eurynota* Myers, 1934
Millan 2009; Souza-Soares *et al*. 2011.
*Cephalodella eva* (Gosse, 1887)
Oliveria 1959; Krau 1967; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Cephalodella exigua* (Gosse, 1886)
Syn.: *Diaschiza caeca* Dixon-Nuttall and Freeman, 1903
Murray 1913; Krau 1967; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Cephalodella fluviatilis* (Zawadovsky, 1926)
Pareschi 2004; Souza-Soares *et al*. 2011.
*Cephalodella forficata* (Ehrenberg, 1832)
Branco *et al.* 2007; Padovesi-Fonseca *et al*. 2011.
*Cephalodella forficula* (Ehrenberg, 1830)
Syn.: *Furcularia forficula* Ehrenberg, 1832
Murray 1913; Krau 1967; Koste 1972b; 1974b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Bozelli 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Abra 2008; Maia-Barbosa *et al.* 2008; Branco *et al.* 2008; Souza-Soares *et al*. 2011.
*Cephalodella friebei* Koste, Robertson and Hardy, 1984
Koste *et al.* 1984; de Paggi and Koste 1995; Magalhães and Pimpão 2004.
*Cephalodella gibba* (Ehrenberg, 1830)
Syn.: *Cephalodella gibba gibba* (Ehrenberg, 1830)
Oliveria 1959; Krau 1967; Koste 1972a,b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Bozelli 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Aoyagui *et al.* 2003; Keppeler 2003; Neves *et al.* 2003; Serafim-Júnior *et al.* 2003; 2006; 2010; Lucinda *et al.* 2004; Keppeler and Hardy 2004; Cabianca 2005; Crispim and Freitas 2005; Abra 2008; Neves and Serafim-Júnior 2007; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Ferraz *et al.* 2009; Souza-Soares *et al.* 2011.
*Cephalodella gobio* Wulfert, 1937
Casanova *et al.* 2009.
*Cephalodella gracilis gracilis* (Ehrenberg, 1832)
Koste 2000; Souza-Soares *et al*. 2011.
*Cephalodella intuta* Myers, 1924
Koste 1972a,b; 1974b.
*Cephalodella hollowdayi* Koste, 1986
Keppeler and Hardy 2004.
*Cephalodella hoodii* (Gosse, 1886)
Oliveira-Neto and Moreno 1998; Segers and Dumont 1995; Souza-Soares *et al*. 2011.
*Cephalodella hyalina* Myers, 1924
Souza-Soares *et al*. 2011.
*Cephalodella intuta* Myers, 1924
Souza-Soares *et al*. 2011.
*Cephalodella megalocephala* (Glascott, 1893)
Syn.: *Cephalodella megalocephala megalocephala* (Glascott, 1893)
Koste 2000.
*Cephalodella misgurnus* Wulfert, 1937
Millan 2009; Souza-Soares *et al*. 2011.
*Cephalodella mira* Myers, 1934
Koste 1972a,b; 1974b; 2000; Turner and da Silva 1992; Segers and Sarma 1993.
*Cephalodella mucronata* Myers, 1924
Koste 1972a,b; 1974a,b; 2000; Bozelli 1992; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Aoyagui and Bonecker 2004b; Bonecker *et al.* 2005; Souza-Soares *et al*. 2011.
*Cephalodella nana* Myers, 1924
Koste and Robertson 1983; de Paggi and Koste 1995.
*Cephalodella pachydactyla* Wulfert, 1937
Souza-Soares *et al*. 2011.
*Cephalodella paggiae* Koste and Robertson, 1983
Koste and Robertson 1983; Koste *et al.* 1984; de Paggi and Koste 1995.
*Cephalodella panarista* Myers, 1924
Abra 2008; Souza-Soares *et al*. 2011.
*Cephalodella physalis* Myers, 1924
Souza-Soares *et al*. 2011.
*Cephalodella stenroosi* Wulfert, 1937
Serafim-Júnior *et al.* 2003; Neves and Serafim-Júnior 2007.
*Cephalodella sterea* (Gosse, 1887)
Koste *et al.* 1984.
*Cephalodella tenuiseta* (Burn, 1890)
Koste and Robertson 1990; Dabés 1995; de Paggi and Koste 1995; Serafim-Júnior *et al.* 2003; Cabianca 2005.

Genus *Collotheca* Harring, 1913
*Collotheca ambigua* (Hudson, 1883)
Syn.: *Collotheca ambigua ambigua* (Hudson, 1883)
Koste 1972a,b; 1974b; 2000; Oliveira-Neto and Moreno 1998; Batista 2007; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Collotheca campanulata* (Dobie, 1849)
Syn.: *Collotheca campanulata campanulata* (Dobie, 1849)
Oliveira 1959 (ZE); Koste 1972b; 1974b; 2000; Bozelli 1992; Oliveira-Neto and Moreno 1998; Branco *et al.*

2007; Souza-Soares *et al*. 2011.

*Collotheca heptabrachiata* (Schoch, 1869)

Syn.: *Collotheca heptabrachiata heptabrachiata* (Schoch, 1869)

Koste 2000.

*Collotheca mutabilis* (Hudson, 1885)

Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Landa *et al.* 2002; Sendacz *et al.* 2006; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Collotheca natans* Tschugunoff, 1921

Turner and da Silva 1992.

*Collotheca ornata* (Ehrenberg, 1832)

Syn.: *Collotheca ornata cornuta* (Dobie, 1849)

Koste *et al.* 1984; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Koste 2000; Sendacz *et al.* 2006; Batista 2007; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Collotheca pelagica* (Rousselet, 1893)

Syn.: *Collotheca pelagica pelagica* (Rousselet, 1893)

Turner and da Silva 1992; Koste 2000.

*Collotheca polyphema* Harring, 1914

Koste 1972a.

*Collotheca tenuilobata* (Anderson, 1889)

Koste 1972a; 2000; Koste and Hardy 1984; Turner and da Silva 1992.

*Collotheca trilobata* (Collins, 1872)

Koste 2000.

Genus *Colurella* Bory de St. Vincent, 1824

*Colurella bicuspidata* Ehrenberg, 1832

Alhstrom 1938; Krau 1967; Turner and da Silva 1992.

*Colurella dicentra* (Gosse, 1887)

Millan 2009; Souza-Soares *et al*. 2011.

*Colurella hindenburgi* Steinecke, 1917

Millan 2009; Souza-Soares *et al*. 2011.

*Colurella obtusa* (Gosse, 1886)

Koste 1972a,b; 1974b; Turner and da Silva 1992; Dabés 1995; Neves and Serafim-Júnior 2007; Branco *et al.* 2008; Millan 2009; Padovesi-Fonseca *et al*. 2011.

*Colurella obtusa obtusa* (Gosse, 1856)

Koste 2000; Pareschi 2004; Souza-Soares *et al*. 2011.

*Colurella sulcata* (Stenroos, 1898)

Koste 1972b; 1974b; 2000.

*Colurella tesselata* (Glascott, 1893)

Koste 1974a; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Colurella uncinata* (Müller, 1773)

Syn.: *Colurella uncinata* f. *bicuspidata* (Ehrenberg, 1832)

Syn.: *Colurella uncinata* f. *deflexa* (Ehrenberg, 1834)

Koste 1972b; 1974b; Koste 1974a; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Koste 2000; Lucinda *et al.* 2004; Crispim and Freitas 2005; Branco *et al.* 2007; Maia-Barbosa *et al.* 2008; Ferraz *et al.* 2009; Millan 2009; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

Genus *Conochilus* Ehrenberg, 1834

*Conochilus* (*Conochiloides*) *coenobasis* (Skorikov, 1914)

*Conochiloides coenobasis* Skorikov, 1914

Koste 1972a; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Segers and Dumont 1995; Espíndola *et al.* 1996; 2000; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Martinez *et al.* 2000; Moretto 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Santos 2010; Negreiros *et al*. 2010; Souza-Soares *et al*. 2011.

*Conochilus* (*Conochiloides*) *dossuarius* Hudson, 1885.

Alhstrom 1938; Krau 1967; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Sendacz and Costa 1991; Bozelli 1992; 1994; Dabés 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a,b; Segers and Wallace 2001 (RB); Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Sendacz *et al.* 2006; Batista 2007; Melo-Junior *et al.* 2007; Nascimento 2008; Palazzo *et al.* 2008; Ferraz *et al.* 2009; Negreiros *et al*. 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Conochilus* (*Conochilus*) *hippocrepis* (Schrank, 1803)

Koste 1972a; Padovesi-Fonseca *et al*. 2011.

*Conochilus* (*Conochiloides*) *natans* (Seligo, 1900)

Koste *et al.* 1984; Turner and da Silva 1992; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Rossa and Bonecker 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Abra 2008; Branco *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Conochilus* (*Conochilus*) *unicornis* Rousselet, 1892

Koste 1972a; 1974a; Matsumura-Tundisi *et al.* 1990; Lansac-Tôha *et al.* 1993; Segers and Dumont 1995; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nogueira and Panarelli 1997 (ZE); Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Espíndola *et al.* 2000; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000b; Sampaio and Lopez 2000; Segers and Wallace 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Rossa and Bonecker 2003; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; Sendacz *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Batista 2007; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Nascimento 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Sartori *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

Genus *Cupelopagis* Forbes, 1882

*Cupelopagis vorax* (Leidy, 1857)

Koste 1972b; 1974a,b; 2000; Bozelli 1992; Turner and da Silva 1992.

Genus *Cyrtonia* Rousselet, 1894

*Cyrtonia tuba* (Ehrenberg, 1834)
Koste 2000.

Genus *Dicranophoroides* De Smet, 1997
*Dicranophoroides caudatus* (Ehrenberg, 1834)
*Diglena caudatus* Ehrenberg, 1834
Syn.: *Dicranophorus caudatus braziliensis* Koste, 1972a
Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Dabés 1995; Neves *et al.* 2003; Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.
*Dicranophoroides claviger* (Hauer, 1965)
*Itura claviger* Hauer 1965
Koste and Robertson 1983; Koste *et al.* 1984; Bonecker *et al.* 2005.

Genus *Dicranophorus* Nitzsch, 1827
*Dicranophorus difflugarium* (Penard, 1914)
Koste 2000.
*Dicranophorus epicharis* Harring and Myers, 1928
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Neves *et al.* 2003; Lucinda *et al.* 2004; Neves and Serafim-Júnior 2007; Souza-Soares *et al*. 2011.
*Dicranophorus forcipatus* (Müller, 1786)
Koste 1972a,b; 1974b; 2000; Koste *et al.* 1984; Turner and da Silva 1992; Dabés 1995.
*Dicranophorus grandis* (Ehrenberg, 1832)
Souza-Soares *et al*. 2011.
*Dicranophorus hercules* Wiszniewski, 1932
Turner and da Silva 1992; de Paggi and Koste 1995; Koste 2000.
*Dicranophorus kostei* Pourriot and Zoppi de Roa, 1981
Segers and Sarma 1993.
*Dicranophorus luetkeni* (Bergendal, 1892)
Turner and da Silva 1992; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Dicranophorus prionacis* Harring and Myers, 1928
Segers and Sarma 1993; de Paggi and Koste 1995; Koste 2000; Souza-Soares *et al*. 2011.
*Dicranophorus robustus* Harring and Myers, 1928
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Souza-Soares *et al.* 2011.
*Dicranophorus sebastus* Harring and Myers, 1928
Segers and Sarma 1993; de Paggi and Koste 1995.
*Dicranophorus tegillus* Harring and Myers, 1928
Lansac-Tôha *et al.* 2009.

Genus *Dipleuchlanis*de Beauchamp, 1910
*Dipleuchlanis propatula* (Gosse, 1886)
Syn.: *Dipleuchlanis propatula propatula* (Gosse, 1886)
Syn.: *Dipleuchlanis propatula* f. *macrodactyla* Hauer, 1965
Syn.: *Dipleuchlanis macrodactyla* (Hauer, 1965)
Hauer 1965; Green 1972; Koste 1972a; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Sendacz and Costa 1991; Bozelli 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Esteves *et al*. 2000; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Neves *et al.* 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Pareschi 2004; Bonecker *et al.* 2005; Cabianca 2005; Abra 2008; Neves and Serafim-Júnior 2007; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.

Genus *Dissotrocha* Bryce, 1910
*Dissotrocha aculeata* (Ehrenberg, 1832)
Koste 1972a,b; 1974b; Koste *et al.* 1984; Koste and Robertson 1990 (RT); Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Aoyagui *et al.* 2003; Palazzo *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.
*Dissotrocha macrostyla* (Ehrenberg, 1838)
Oliveira 1959; Krau 1967; Koste 1972b; 1974b; Koste and Hardy 1984; Koste *et al.* 1984; Koste and Robertson 1990; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

Genus *Encentrum* Ehrenberg, 1838
*Encentrum felis* (Müller, 1773)
Martinez *et al.* 2000.
*Encentrum longipes* Wulfert, 1936
Lansac-Tôha *et al.* 2009.
*Encentrum saundersiae* (Hudson, 1885)
Bonecker *et al.* 2009.
*Encentrum spinosum* Koch-Althaus, 1962
Pareschi 2004; Souza-Soares *et al*. 2011.

Genus *Eosphora* Ehrenberg, 1830
*Eosphora anthadis* Harring and Myers, 1922
Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; de Paggi and Koste 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

Genus *Eothinia* Harring and Myers, 1922
*Eothinia elongata* (Ehrenberg, 1832)
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Eothinia triphaea* Harring and Myers, 1924
Koste 2000.

Genus *Epiphanes* Ehrenberg, 1832
*Epiphanes brachionus* (Ehrenberg, 1837)
Oliveira-Neto and Moreno 1998; Millan 2009; Souza-Soares *et al*. 2011.
*Epiphanes brachionus spinosa* (Rousselet, 1901)
*Notops brachionus spinosa* Rousselet, 1901
Murray 1913; Oliveira 1959; Krau 1967; Koste *et al.* 1984.
*Epiphanes clavulata* (Ehrenberg, 1832)
Hauer 1953; Gillard 1967; Schaden 1976; 1977; 1978; Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Neumann-Leitão 1990; Dabés 1995; Campos *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Rossa and Bonecker 2003; Bonecker *et al.* 2005; Melo-Junior *et al.* 2007; Abra 2008; Neves and Serafim-Júnior 2007; Palazzo *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.
*Epiphanes macroura* (Barrois and Daday, 1894)

Syn.: *Notops mollis* Hempel, 1896
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; Schaden 1976, 1978; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Neumann-Leitão 1990; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Martinez *et al.* 2000; Neves *et al.* 2003; Landa *et al.* 2002; Aoyagui *et al.* 2003; Keppeler 2003; Serafim-Júnior *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; 2009; Leitão *et al.* 2006; Melo-Junior *et al.* 2007; Palazzo *et al.* 2008; Santos 2010; Souza-Soares *et al*. 2011.

*Epiphanes pelagica* (Jennings, 1900)
Keppeler and Hardy 2004.

*Epiphanes senta* (Müller, 1773)
Oliveira-Neto and Moreno 1998; Sampaio *et al.* 2002; Sartori *et al.* 2009; Souza-Soares *et al*. 2011.

Genus *Erignatha* Harring and Myers, 1922

*Erignatha clastopis* (Gosse, 1886)
Souza-Soares *et al*. 2011.

Genus *Euchlanis* Ehrenberg, 1832

*Euchlanis arenosa* Myers, 1936
Millan 2009; Souza-Soares *et al*. 2011.

*Euchlanis deflexa* (Gosse, 1851)
Oliveira-Neto and Moreno 1998; Bonecker *et al.* 2009; Souza-Soares *et al*. 2011.

*Euchlanis dilatata* Ehrenberg, 1832
Syn.: *Euchlanis dilatata* f. *dilatata* Ehrenberg, 1832
Hauer 1965; Thomasson 1971; Koste 1972a,b; 1974b; Schaden 1976; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Martinez *et al.* 2000; Branco *et al.* 2002; 2008; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Abra 2008; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Serafim-Júnior *et al.* 2010; Santos 2010; Negreiros *et al*. 2010; Padovesi-Fonseca *et al*. 2011.

*Euchlanis incisa* Carlin, 1939
Syn.: *Euchlanis triquetra* var. *mucronata* Ahlstrom, 1934
Syn.: *Euchlanis incisa* var. *incisa* Carlin, 1939
Syn.: *Euchlanis incisa* var. *mucronata* Ahlstrom, 1934
Green 1972; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Segers and Sarma 1993; Turner and da Silva 1992; Bozelli 1992; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Martinez *et al.* 2000; Sampaio *et al.* 2002Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; 2009; Melo-Junior *et al.* 2007; Branco *et al.* 2007; Souza-Soares *et al*. 2011.

*Euchlanis lyra* Hudson, 1886
Syn.: *Euchlanis lyra* f. *lyra* Hudson, 1886
Crispim and Watanabe 2000; Serafim-Júnior *et al.* 2003; Borges and Pedrozo 2009.

*Euchlanis meneta* Myers, 1930
Syn.: *Euchlanis proxima* Myers, 1930
Koste 1972a,b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Serafim-Júnior *et al.* 2006; Maia-Barbosa *et al.* 2008; Lansac-Tôha *et al.* 2009; Souza-Soares *et al*. 2011.

*Euchlanis oropha* Gosse, 1887
Syn.: *Euchlanis parva* Rousselet, 1892
Koste 1972a,b; 1974b; Koste *et al.* 1984.

*Euchlanis triquetra* Ehrenberg, 1838
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

Genus *Filinia* Bory de St. Vincent, 1824
Syn.: *Triarthra* Ehrenberg, 1832

*Filinia brachiata* (Rousselet, 1901)
Syn.: *Filinia cornuta brachiata* (Rousselet, 1901)
Cabianca 2005.

*Filinia limnetica* (Zacharias, 1893)
Syn.: *Filinia longiseta* var. *limnetica* (Zacharias, 1893)
Koste and Robertson 1983; Koste and Hardy 1984; Oliveira-Neto and Moreno 1998; Keppeler 2003; Lucinda *et al.* 2004; Cabianca 2005; Sendacz *et al.* 2006; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Filinia longiseta* (Ehrenberg, 1834)
*Triarthra longiseta* Ehrenberg, 1834
Syn.: *Filinia longiseta* var. *longiseta* (Ehrenberg, 1834)
Murray 1913; Spandl 1926; Ahlstrom 1938; Hauer 1953; 1965; Krau 1967; Thomasson 1971; Koste 1972a; Schaden 1976; 1977; 1978; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Neto 2001; Landa *et al.* 2002; Neves *et al.* 2003; Branco *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Rossa and Bonecker 2003; Aoyagui and Bonecker 2004b; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Ulloa 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; de Melo *et al.* 2006; Leitão *et al.* 2006; Vitorio 2006; Abra 2008; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Nascimento 2008; Palazzo *et al.* 2008; Almeida *et al.* 2009; Bonecker *et al.* 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010; Negreiros *et al*. 2010; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.
Remarks: Krau (1967) reported that this is a very common species in the Brazilian northeast ponds.

*Filinia novaezealandiae* Shiel and Sanoamuang, 1993
Neves *et al.* 2003.

*Filinia opoliensis* (Zacharias, 1891)
Syn.: *Tetramastix opoliensis brevispina* Ahlstrom, 1932
Syn.: *Filinia opoliensis opoliensis* (Zacharias, 1981)
Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Sendacz and Costa 1991; Turner and da Silva 1992; Bozelli 1992; Campos *et al.* 1996; Espíndola *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Landa *et al.* 2002; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; Keppeler 2003; Aoyagui and Bonecker 2004b; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Ulloa 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Sendacz *et al.* 2006; Vitorio 2006; Abra 2008; Batista 2007; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Nascimento 2008; Bonecker *et al.* 2009; Negreiros *et al*. 2010; Serafim-Júnior *et al.* 2010; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Filinia passa* (Müller, 1786)
Turner and da Silva 1992; de Paggi and Koste 1995.
*Filinia pejleri* Hutchinson, 1964
Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Turner 1990; Sendacz and Costa 1991; Bozelli 1992; Campos *et al.* 1996; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Aoyagui *et al.* 2003; Keppeler 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Palazzo *et al.* 2008; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Filinia saltator* (Gosse, 1886)
Ahlstrom 1938; Hauer 1953; Krau 1967; Koste *et al.* 1984; Reid and Turner 1988; Sendacz and Costa 1991; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Aoyagui *et al.* 2003; Souza-Soares *et al*. 2011.
*Filinia terminalis* (Plate, 1886)
*Triarthra terminalis* Plate, 1886
Syn.: *Filinia longiseta* var. *terminalis* Ahlstrom, 1938
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Campos *et al.* 1996; Dabés 1995; Espíndola *et al.* 1996; 2000; Garcia *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; de Melo *et al.* 2006; Keppeler and Hardy 2004; Abra 2008; Eskinazi-Sant´Anna *et al.* 2007; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

Genus *Floscularia* Cuvier, 1798
*Floscularia armata* Segers, 1997
Segers, 1997 (RT); Magalhães and Pimpão 2004.
*Floscularia bifida* Segers, 1997
Segers 1997; Magalhães and Pimpão 2004.
*Floscularia conifera* (Hudson, 1886)
Syn.: *Floscularia ringens conifera* Koste, 1978a
Koste 1972b; 1974b; 1978a; Koste and Robertson 1983; Segers, 1997.
*Floscularia decora* Edmondson, 1940
Koste 1972b (RT); Koste *et al.* 1984; de Paggi and Koste 1995.
*Floscularia janus* (Hudson, 1881)
Koste 1972a,b; 1974b; 2000.
*Floscularia melicerta* (Ehrenberg, 1832)
Koste 1972a,b; 1974b; 2000.
*Floscularia noodti* Koste, 1972b
Koste 1972a,b; 1974b.
*Floscularia pedunculata* (Joliet, 1883)
Koste 2000.
*Floscularia ringens* (Linneus, 1758)
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Segers 1997.

Genus *Gastropus* Imhof, 1898
*Gastropus hyptopus* (Ehrenberg, 1838)
Koste *et al.* 1984; Turner and da Silva 1992; de Paggi and Koste 1995; de Azevedo and Bonecker 2003; Serafim-Júnior *et al.* 2003; 2010; Ulloa 2004; Bonecker *et al.* 2005; Abra 2007; Souza-Soares *et al*. 2011.
*Gastropus minor* (Rousselet, 1892)
Turner and da Silva 1992; Branco *et al.* 2000; 2005; 2007; 2008; Cabianca 2005; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.
*Gastropus stylifer* (Imhof, 1891)
Koste 1972a; Hardy 1980; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Sampaio *et al.* 2002; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

Genus *Habrotrocha* Bryce, 1910
*Habrotrocha acornis* Murray, 1911
Murray 1913; Krau 1967.
*Habrotrocha ampulla* Murray, 1911
Koste 1972b; 1974b.
*Habrotrocha angusticollis* (Murray, 1905)
Murray 1913; Krau 1967; Koste 1972a,b; 1974b; Koste and Robertson 1983; 1990.
*Habrotrocha angusticollis angusticollis* (Murray, 1905)
Koste 1972a.
*Habrotrocha aspera* (Bryce, 1892)
Murray 1913; Krau 1967.
*Habrotrocha caudata* Murray, 1911
Murray 1913; Krau 1967.
*Habrotrocha constricta* (Dujardin, 1841)
Murray 1913; Krau 1967.
*Habrotrocha cuneata* Murray, 1913
Murray 1913; Krau 1967.
*Habrotrocha fusca* (Bryce, 1894)
Murray 1913; Krau 1967.
*Habrotrocha longiceps* (Murray, 1906)
Murray 1913; Krau 1967.
*Habrotrocha perforata* (Murray, 1906)
Murray 1913; Krau 1967.

Genus *Harringia* de Beauchamp, 1912
*Harringia rousseleti* de Beauchamp, 1912
Koste 1972b; 1974b.

Genus *Hexarthra* Schmarda, 1854
*Hexarthra fennica* (Levander, 1892)
*Pedalia fennica* Levander, 1892
Ahlstrom 1938; Hauer 1953; Krau 1967; Turner 1987 (RT); Almeida *et al.* 2006; 2009; Branco *et al.* 2007; Melo-Junior *et al.* 2007.
*Hexarthra fennica oxyure* (Sernov, 1903)
*Pedalia fennica oxyure* Sernov, 1903
Oliveira *et al.* 1967.
*Hexarthra intermedia* (Wiszniewski, 1929)
Turner 1987; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Martinez *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Leitão *et al.* 2006; Sendacz *et al.* 2006; Abra 2008; Batista 2007; Nascimento 2008; Ferraz *et al.* 2009; Millan 2009; Santos 2010; Negreiros *et al*. 2010; Padovesi-Fonseca *et al*. 2011.
*Hexarthra intermedia brasiliensis* Hauer, 1953
*Pedalia intermedia brasiliensis* Hauer, 1953
Syn.: *Hexarthra braziliensis* Hauer, 1953
Hauer 1953; 1965; Gillard 1967; Krau 1967; Koste 1972a; Schaden 1978; Hardy 1980; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Turner 1987; Reid and Turner 1988; Sendacz and Costa 1991; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Espíndola *et al.* 2000; Sampaio and Lopez 2000; Keppeler 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Abra 2008; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.
Remarks: Segers (2007) pointed out that *H. intermedia braziliensis* is also accepted.
*Hexarthra intermedia intermedia* Wiszniewski, 1929
Branco *et al.* 2005; Cabianca 2005; Palazzo *et al.* 2008; Souza-Soares *et al*. 2011.
*Hexarthra longicornicula* Turner, 1987
Turner 1987; de Paggi and Koste 1995; Branco *et al.* 2000; 2005; 2008; Souza-Soares *et al*. 2011.
*Hexarthra mira* (Hudson, 1871)
*Pedalion mira* Hudson, 1871
Syn.: *Hexarthra mira mira* (Hudson, 1871)
Ahlstrom 1938; Hauer 1953; Green 1972; Koste and Robertson 1983; Koste *et al.* 1984; Turner 1987; Bozelli 1992; Turner and da Silva 1992; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Branco *et al.* 2002; 2007; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.
*Hexarthra oxyuris* (Sernov, 1903)
*Pedalion oxyure* Sernov, 1903
Murray 1913; Krau 1967; Turner 1987.

Genus *Horaella* Donner, 1949
*Horaella brehmi* Donner, 1949
Espíndola *et al.* 1996.
*Horaella thomassoni* Koste, 1973
Koste 1973 (RT); Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Sendacz *et al.* 2006; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

Genus *Itura* Harring and Myers, 1928
*Itura aurita* (Ehrenberg, 1830)
Moretto 2001.
*Itura chamadis* Harring and Myers, 1928
Lansac-Tôha *et al.* 2009.
*Itura deridderae* Segers, 1993
Souza-Soares *et al*. 2011.

Genus *Kellicottia* Ahlstrom 1938
*Kellicottia bostoniensis* (Rousselet, 1908)
Neto 2001; Landa *et al.* 2002; Serafim-Júnior *et al.* 2003; 2006; 2010; Bezerra-Neto *et al.* 2004 (RB); Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Sendacz *et al.* 2006; Batista 2007; Neves and Serafim-Júnior 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010; Negreiros *et al*. 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Kellicottia longispina* (Kellicott, 1879)
Syn.: *Kellicottia longispina longispina* (Kellicott, 1879)
de Souza *et al.* 1998; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.

Genus *Keratella* Bory de St. Vincent, 1822
*Keratella americana* Carlin, 1943
Syn.: *Keratella lenzi caudata* Koste, 1972a
Syn.: *Keratella americana* f. *hispida* Vásquez, Koste and Medina, 1991
Green 1972; Koste 1972a; 1974a; Hardy 1980; Koste and Robertson 1983; Koste and Hardy 1984; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Bozelli 1992; 1994; Lansac-Tôha *et al.* 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; Nogueira and Panarelli 1997; Garcia *et al.* 1998; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2002; 2005; 2008; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Sampaio and Lopez 2000; Martinez *et al.* 2000; Moretto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Waichman *et al.* 2002 (ZE); Lucinda *et al.* 2004; Keppeler and Hardy 2004; Ulloa 2004; Bonecker and Aoyagui 2005; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; 2009; de Melo *et al.* 2006; Leitão *et al.* 2006; Sendacz *et al.* 2006; Vitorio 2006; Abra 2008; Batista 2007; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Leitão *et al.* 2009; Sartori *et al.* 2009; Negreiros *et al*. 2010; Santos 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Keratella cochlearis* (Gosse, 1851)
Syn.: *Anuraea cochlearis longispina* Lang, 1928
Syn.: *Keratella cochlearis* f. *hispida* (Lauterborn, 1898)
Syn.: *Keratella cochlearis* f. *micracantha* Lauterborn, 1900
Syn.: *Keratella cochlearis* f. *robusta* Lauterborn, 1900
Syn.: *Keratella cochlearis* f. *tecta* (Gosse, 1851)
Koste 1972a; 1974a; Hardy 1980; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Turner 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Lansac-Tôha *et al.* 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; Nogueira and Panarelli 1997; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2002; 2005; 2007; 2008; Crispim and Watanabe 2000; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Neto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; Keppeler 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Sampaio *et al.* 2002; Keppeler 2003; Rossa and Bonecker 2003; Lucinda *et al.* 2004; Lucinda *et al.* 2004; Ulloa 2004; Bonecker and Aoyagui 2005; Bonecker *et al.* 2005; Cabianca 2005; Sendacz *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Batista 2007; Eskinazi-Sant´Anna *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Sartori *et al.* 2009; Millan 2009; Negreiros *et al*. 2010; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011; Dantas-Silva and Dantas 2012.

*Keratella cochlearis cochlearis* (Gosse, 1851)
Keppeler and Hardy 2004.

*Keratella cruciformis* (Thompson, 1892)
Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Keratella lenzi* Hauer, 1953
Syn.: *Keratella lenzi caudata* Koste, 1972
Syn.: *Keratella lenzi lenzi* Hauer, 1953
Hauer 1953; 1965; Krau 1967; Koste 1972a; 1974a; Schaden 1978; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a,b; Espíndola *et al.* 2000; Sampaio and Lopez 2000; Moretto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Lucinda *et al.* 2004; Ulloa 2004; Branco *et al.* 2005; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Leitão *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Batista 2007; Eskinazi-Sant´Anna *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Sartori *et al.* 2009; Negreiros *et al*. 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Keratella paludosa* (Lucks, 1912)
Espíndola *et al.* 1996; 2000.

*Keratella mexicana* Kutikova and Silva-Briano, 1995
Segers and de Smet, 2008 (RT).

*Keratella nhamundaiensis* Koste, 1982
Syn.: *Keratella americana nhamundaiensis* Koste, 1982
Syn.: *Keratella nhamunda* Koste and Robertson, 1983
Brandorff *et al.* 1982 (RE); Koste and Robertson 1983; Koste *et al.* 1984; Bozelli 1992.

*Keratella procurva* (Thorpe, 1891)
Koste and Robertson 1990.

*Keratella quadrata* (Müller, 1786)
Moretto 2001; Neves *et al.* 2003; Borges and Pedrozo 2009.
Remarks: Segers (2007) pointed out that the taxonomy of *K. quadrata* is confused and a revison of the taxon need to be done.

*Keratella quadrata quadrata* (Müller, 1786)
Syn.: *Anuraea aculeata* Ehrenberg, 1832
Murray 1913; Krau 1967.

*Keratella serrulata* (Ehrenberg, 1838)
Syn.: *Keratella serrulata* f. *curvicornis* (Rylov, 1926)
Borges and Pedrozo 2009.

*Keratella tecta* (Gosse, 1851)
Syn.: *Keratella tecta tecta* (Lauterborn, 1900
Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Souza-Soares *et al*. 2011.

*Keratella thomassoni* Hauer, 1958
Hauer, 1958 (RT); Crispim and Watanabe 2000; Melo-Junior *et al.* 2007.

*Keratella tropica* (Apstein, 1907)
Syn.: *Anuraea valga* f. *tropica* Apstein, 1907
Syn.: *Keratella tropica* f. *brehmi* (Klausener, 1908)
Syn.: *Keratella tropica* f. *tropica* (Apstein, 1907)
Ahlstrom 1938; 1943; Hauer 1953; 1965; Krau 1967; Thomasson 1971; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Neumann-Leitão 1990; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Dabés 1995; Campos *et al.* 1996; Nunes *et al.* 1996; Oliveira-Neto and Moreno 1998; Nogueira and Panarelli 1997; de Souza *et al.* 1998; Garcia *et al.* 1998; Branco *et al.* 2002; 2007; Crispim and Watanabe 2000; Esteves *et al*. 2000; Martinez *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Sampaio and Lopez 2000; Neto 2001; Landa *et al.* 2002; Neves *et al.* 2003; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Ulloa 2004; Bonecker and Aoyagui 2005; Cabianca 2005; Bonecker *et al.* 2005; Almeida *et al.* 2006; 2009; de Melo *et al.* 2006; Leitão *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Vitório 2006; Batista 2007; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Sartori *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Negreiros *et al*. 2010; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011; Dantas-Silva and Dantas 2012.

*Keratella valga* (Ehrenberg, 1834)
Espíndola *et al.* 1996; Crispim and Freitas 2005; Dantas-Silva and Dantas 2012.

Genus *Kostea* De Smet, 1997
*Kostea wockei* (Koste, 1961)
Syn.: *Paradicranophorus wockei* Koste, 1961
Serafim-Júnior *et al.* 2003.

Genus *Lacinularia* Schweigger, 1826
*Lacinularia elliptica* Shephard, 1897
Hauer 1953; Krau 1967; Reid and Turner 1988; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
*Lacinularia flosculosa* (Müller, 1773)
Koste 1972b; 1974b; 2000; Koste and Robertson 1990.
*Lacinularia striolata* Shephard, 1899
Ahlstrom 1938; Krau 1967; Melo-Junior *et al.* 2007.
Remarks: It was considered as *species inquirenda* in Segers (2007).

Genus *Lecane* Nitzsch, 1827
Syn.: *Monostyla* Ehrenberg, 1830
*Lecane aculeata* (Jakubski, 1912)
Syn.: *Lecane aculeata aculeata* (Jakubski, 1912)
Murray 1913; Krau 1967; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Sampaio *et al.* 2002; Bonecker *et al.* 2005; Cabianca 2005; Melo-Junior *et al.* 2007; Joko *et al.* 2008 (RT); Souza-Soares *et al*. 2011.
*Lecane acus* (Harring, 1913)
Koste 1972a; Koste and Robertson 1990.
Remarks: It was considered as taxonomy unclear in Segers (2007).
*Lecane agilis* (Bryce, 1892)
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Lecane amazonica* (Murray, 1913)
*Monostyla amazonica* Murray, 1913
Syn.: *Lecane murrayi* Hauer, 1965 (*non* Korde (1927))
Murray 1913; Krau 1967; Koste 1972a; Koste *et al.* 1984; Bozelli 1992; Segers 1996 (RB); Dabés 1995; Joko *et al.* 2008.
*Lecane amazonica larga* Koste, 1978
Koste 1978 (RT); Segers and Pourriot 1997 (RT).
Remarks: Segers and Pourriot (1997) reported that no types or any other material of this taxon was deposited.
*Lecane arcuata* (Bryce, 1891)
*Monostyla arcuata* Bryce, 1891
Murray 1913; Hauer 1953; Krau 1967; Koste and Robertson 1983; 1990; Turner and da Silva 1992; Espíndola *et al.* 1996; 2000; Koste 2000; Ferraz *et al.* 2009.
*Lecane arcula* Harring, 1914
Hauer 1953; Krau 1967; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; de Azevedo and Bonecker 2003; Souza-Soares *et al*. 2011.
*Lecane armata* Thomasson, 1971
Syn.: *Lecane gillardi armata* (Thomasson, 1971)
Koste 1972b; 1974b; Segers 1996; Moretto 2001; Maia-Barbosa *et al.* 2008.
*Lecane bifurca* (Bryce, 1892)
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Joko *et al.* 2008; Souza-Soares *et al.* 2011.
*Lecane boettgeri* Koste, 1986
Koste 1986 (RT); Branco *et al.* 2000; 2005.
*Lecane braziliensis* Segers, 1993
Segers 1993; Segers and Sarma 1993; Segers *et al.* 1993a (RT); de Paggi and Koste 1995; Segers 1996; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Magalhães and Pimpão 2004; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.
*Lecane broaensis* Segers and Dumont, 1995
Segers and Dumont 1995; Segers 1996; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Lecane bulla* (Gosse, 1851)
Syn.: *Monostyla bulla* Gosse, 1851
Syn.: *Lecane bulla papillosa* Koste, 2000
Syn.: *Lecane bulla styrax* (Harring and Myers, 1926)
Murray 1913; Ahlstrom 1938; Hauer 1953; 1965; Thomasson 1971; Green 1972; Koste 1972a,b; 1974a,b; Schaden 1976; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Neumann-Leitão 1990; Koste and Robertson 1990; Turner 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Lansac-Tôha *et al.* 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Nunes *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2007; 2008; Koste 2000; Crispim and Watanabe 2000; Esteves *et al*. 2000; Moretto 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Vitorio 2006; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Joko *et al.* 2008; Nascimento 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Millan 2009; Santos 2010; Dantas-Silva and Dantas 2012.
*Lecane bulla bulla* (Gosse, 1851)
Syn.: *Lecane bulla goniata* (Harring and Myers, 1926)
Espíndola *et al.* 1996; de Souza *et al.* 1998; Koste 2000; Serafim-Júnior *et al.* 2003; Branco *et al.* 2005; Joko *et al.* 2008; Souza-Soares *et al*. 2011.
*Lecane clara* (Bryce, 1892)
Koste and Robertson 1990; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Souza-Soares *et al*. 2011.
*Lecane closterocerca* (Schmarda, 1856)
*Monostyla closterocerca* Schmarda, 1859
Syn.: *Lecane wulferti* Hauer, 1956
Syn.: *Lecane closterocerca amazonica* Koste, 1978
Syn.: *Lecane closterocerca wulferti* (Hauer, 1956)
Murray 1913; Hauer 1956; Krau 1967; Koste 1972a,b; 1974b; 1978; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Sendacz and Costa 1991; Turner and da Silva 1992; Dabés 1995; Segers and Dumont 1995; Segers 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Pareschi 2004; Bonecker *et al.* 2005; Neves and Serafim-Júnior 2007;

Palazzo *et al.* 2008; Joko *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane copeis* (Harring and Myers, 1926)

Turner and da Silva 1992; Souza-Soares *et al*. 2011.

*Lecane cornuta* (Müller, 1786)

Syn.: *Monostyla cornuta oidipus* Hauer, 1956

Syn.: *Lecane cornuta cornuta* (Muller, 1786)

Syn.: *Lecane cornuta rotunda* (Fadeew, 1927)

Murray 1913; Ahlstrom 1938; Hauer 1953; 1965; Krau 1967; Thomasson 1972; Green 1972; Koste 1972a,b; 1974b; 2000; Schaden 1976; 1978; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Koste and Robertson 1990; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Neumann-Leitão 1990; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Segers 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Serafim-Júnior *et al.* 2003; 2006; 2010; Pareschi 2004; Abra 2008; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Branco *et al.* 2008; Joko *et al.* 2008; Palazzo *et al.* 2008; Almeida *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Negreiros *et al*. 2010; Souza-Soares *et al*. 2011.

*Lecane crenata* (Harring, 1913)

*Monostyla crenata* Harring, 1913

Green 1972; Koste 1972a,b; 1974a; Koste and Robertson 1983; 1990; Dabés 1995.

Remarks: It was considered as taxonomy unclear in Segers (2007).

*Lecane crepida* Harring, 1914

Syn.: *Lecane crepida longidactyla* Koste, 1972a

Koste 1972b; 1974b; 2000; Koste and Robertson 1990; Segers and Sarma 1993; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.

*Lecane curvicornis* (Murray, 1913)

Syn.: *Lecane acronycha* Harring and Myers, 1926

Syn.: *Lecane chankensis* Bogoslovsky, 1958

Syn.: *Lecane curvicornis* f. *curvicornis* (Murray, 1913)

Syn.: *Lecane curvicornis* f. *lofuana* (Murray, 1913)

Syn.: *Lecane curvicornis* f. *nitida* (Murray, 1913)

Murray 1913; Ahlstrom 1938; Hauer 1938; 1953; 1965; Krau 1967; Thomasson 1971; Green 1972; Koste 1972a,b; 1974b; 1978; 2000; Schaden 1976; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Reid and Turner 1988; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2008; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Esteves *et al*. 2000; Martinez *et al.* 2000; Aoyagui *et al.* 2003; Keppeler 2003; Neves *et al.* 2003; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; 2009; Abra 2008; Branco *et al.* 2005; 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Branco *et al.* 2008; Joko *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Maia-Barbosa *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.

*Lecane decipiens* (Murray 1913)

*Monostyla decipiens* Murray, 1913

Murray 1913; Oliveira 1959; Krau 1967; Koste and Robertson 1983; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Pareschi 2004; Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane depressa* (Bryce, 1891)

Syn.: *Lecane tudicola* Harryand Myers, 1926

Green 1972; Crispim and Watanabe 2000; Melo-Junior *et al.* 2007; Abra 2008; Souza-Soares *et al*. 2011.

*Lecane deridderae* Koste, 1972a

Koste 1972a; 2000; Bozelli 1992; Segers 1996; Segers and Pourriot 1997; Branco *et al.* 2000; 2005.

*Lecane difficilis* Segers and Pourriot, 1997

Segers and Pourriot 1997.

*Lecane donneri* Chengalath and Mulamoottil, 1974

Neves *et al.* 2003.

*Lecane doryssa* Harring, 1914

Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Dabés 1995; Espíndola *et al.* 1996; Oliveira-Neto and Moreno 1998; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Souza-Soares *et al*. 2011.

*Lecane dumonti* Segers, 1993

Segers 1993; 1996; Segers *et al.* 1993a; Segers and Sarma 1993; de Paggi and Koste 1995; Souza-Soares *et al*. 2011.

*Lecane elegans* Harring, 1914

Koste 1972b; 1974b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Neves and Serafim-Júnior 2007; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane elongata* Harring and Myers, 1926

Koste and Robertson 1990; Turner and da Silva 1992; Neves *et al.* 2003.

*Lecane elsa* Hauer, 1931

Hauer 1931; Koste 1972a; Hardy 1980; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Sendacz and Costa 1991; Nunes *et al.* 1996; Segers 1996; Garcia *et al.* 1998; Campos *et al.* 1996; de Azevedo and Bonecker 2003; Keppeler 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2008; Joko *et al.* 2008; Branco *et al.* 2007; 2008; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.

*Lecane ercodes* Harring, 1914

Koste 1972a; Souza-Soares *et al*. 2011.

*Lecane eutarsa* Harring and Myers, 1926

Syn.: *Lecane amazoniana* Koste and Robertson 1983

Syn.: *Lecane stichaea* var. *amazonica* Koste 1978a

Koste 1978a; Koste and Robertson 1983; Koste and Robertson 1990; Segers and Sarma 1993; de Paggi and Koste 1995; Segers 1996; Garcia *et al.* 1998; Bonecker *et al.* 2005.

*Lecane flexilis* (Gosse, 1886)

Syn.: *Lecane glypta* Harring and Myers, 1926

Syn.: *Lecane compta* Harring, 1914

Murray 1913; Krau 1967; Green 1972; Koste 1972b;

1974b; Koste and Robertson 1990; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a; Lucinda *et al.* 2004; Ferraz *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane furcata* (Murray, 1913)
*Monostyla furcata* Murray, 1913
Syn.: *Lecane elachis* Harring and Myers, 1926
Syn.: *Monostyla ovalis* Jakubski, 1914
Murray 1913; Krau 1967; Koste 1972a; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a; Lucinda *et al.* 2004; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane galeata* (Bryce, 1892)
Syn.: *Lecane pygmaea* (Daday, 1897)
Koste 1972a,b; 1974b.

*Lecane grandis* (Murray, 1913)
Murray 1913; Huaer 1953; Krau 1967; Neumann-Leitão 1985/1986b (RT); Lansac-Tôha *et al.* 2009.

*Lecane haliclysta* Harring and Myers, 1926
Syn.: *Lecane stichaeoides* Hauer, 1938
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983, 1990; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.

*Lecane hamata* (Stokes, 1896)
*Monostyla hamata* Stokes, 1896
Murray 1913; Hauer 1953; Krau 1967; Green 1972; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Espíndola *et al.* 1996; 2000; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Martinez *et al.* 2000; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Abra 2008; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Lecane hastata* (Murray, 1913)
Ahlstrom 1938; Krau 1967; Koste 1972a; Turner and da Silva 1992; Serafim-Júnior *et al.* 2003; Crispim and Freitas 2005; Abra 2008; Joko *et al.* 2008; Ferraz *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane hornemanni* (Ehrenberg, 1834)
Syn.: *Lecane nodosa* Hauer, 1938
Murray 1913; Krau 1967; Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Dabés 1995; Segers and Dumont 1995; Segers and Sarma 1993; Dabés 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000; Moretto 2001; de Azevedo and Bonecker 2003; Lucinda *et al.* 2004; Serafim-Júnior *et al.* 2006; 2010; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.

*Lecane imbricata* (Carlin, 1939)
Espíndola *et al.* 1996; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Borges and Pedrozo 2009.

*Lecane inermis* (Bryce, 1892)
Koste 1972a,b; 1974b; 2000; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Moretto 2001; Pareschi 2004; Maia-Barbosa *et al.* 2008; Lansac-Tôha *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane inopinata* Harring and Myers, 1926
Syn.: *Lecane inopinata sympoda* Wiszniewski, 1954
Dabés 1995; Segers and Sarma 1993; Joko *et al.* 2008.

*Lecane kluchor* Tarnogradski, 1930
Koste 1972a,b; 1974b.

*Lecane kutikowa* Koste, 1972a
Koste 1972a; Koste and Robertson 1990; Segers 1996; Magalhães and Pimpão 2004.

*Lecane latissima* Yamamoto, 1955
Sampaio *et al.* 2002; Souza-Soares *et al*. 2011.
*Lecane lauterborni* Hauer, 1924
Koste 2000.

*Lecane leontina* (Turner, 1892)
Syn.: *Lecane leontina leontina* (Turner, 1892)
Murray 1913; Hauer 1953; 1965; Krau 1967; Thomasson 1971; Green 1972; Koste 1972a,b; 1974a,b; 2000; Schaden 1976; Hardy 1980; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Reid and Turner 1988; Turner 1990; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Segers 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Crispim and Watanabe 2000; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2008; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Lecane levistyla* (Olofsson, 1917)
Koste 1972a,b; 1974b; Dabés 1995; Landa and Mourgés-Schurter 2000a,b; Branco *et al.* 2008; Souza-Soares *et al*. 2011.

*Lecane levystila levystila* (Olofsson, 1917)
Cabianca 2005.

*Lecane ludwigii* (Eckstein, 1883)
Syn.: *Lecane ludwigii* f. *abrupta* Hauer, 1938
Syn.: *Lecane ludwigii* f. *brevicaudata* Hauer, 1938
Syn.: *Lecane ludwigii* f. *ercodes* (Harring, 1914)
Syn.: *Lecane ludwigii* f. *lacinulata* Hauer, 1938
Syn.: *Lecane ludwigii* f. *ludwigii* (Eckstein, 1883)
Syn.: *Lecane ludwigii* f. *marshi* Harring, 1914
Syn.: *Lecane ludwigii* f. *ohiensis* (Herrick, 1885)
Syn.: *Lecane ludwigii* f. *typica* (Eckstein, 1883)
Murray 1913; Hauer 1965; Krau 1967; Koste 1972a,b; 1974a,b; 2000; Schaden 1976; Hardy 1980; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; de Paggi and Koste 1995; Segers and Dumont 1995; Campos *et al.* 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia

*et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a; Neves *et al.* 2003; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Serafim-Júnior *et al.* 2003; 2010; Lucinda *et al.* 2004; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Casanova *et al.* 2009; Negreiros *et al*. 2010; Souza-Soares *et al*. 2011.

*Lecane luna* (Muller, 1776)
Syn.: *Lecane luna luna* (Muller, 1776)
Syn.: *Lecane submagna* De Ridder, 1960
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Paranaguá and Neumann-Leitão 1982; Sendacz and Costa 1991; Turner and da Silva 1992; Campos *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Neto 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Millan 2009; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Lecane lunaris* (Ehrenberg, 1832)
*Monostyla lunaris* Ehrenberg, 1832
Syn.: *Monostyla constricta* Murray, 1913
Syn.: *Monostyla lunaris* f. *perplexa* Ahlstrom, 1938
Syn.: *Lecane lunaris* f. *acus* (Myers, 1937)
Syn.: *Lecane lunaris* f. *constricta* (Murray 1913)
Syn.: *Lecane lunaris* f. *crenata* (Harring, 1913)
Syn.: *Lecane lunaris* f. *lunaris* (Ehrenberg, 1832)
Syn.: *Lecane lunaris f. perplexa* (Ahlstrom, 1938)
Murray 1913; Hauer 1965; Gillard 1967; Krau 1967; Koste 1972a,b; 1974b; 2000; Schaden 1976; 1978; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Neumann-Leitão 1990; Turner 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a,b; Sampaio and Lopez 2000; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; de Melo *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Branco *et al.* 2008; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Millan 2009; Santos 2010; Souza-Soares *et al.* 2011; Dantas-Silva and Dantas 2012.

*Lecane marchantaria* Koste and Robertson, 1983
Koste and Robertson 1983; Koste *et al.* 1984; de Paggi and Koste 1995; Segers 1996; Magalhães and Pimpão 2004.

*Lecane marlieri* Gillard, 1967
Koste 1972a.

*Lecane melini* Thomasson, 1953
Koste 1972a; Koste and Hardy 1984; Koste *et al.* 1984; Bozelli 1992; Segers 1996.

*Lecane mira* (Murray, 1913)
Crispim and Watanabe 2000; de Melo *et al.* 2006; Melo-Junior *et al.* 2007.

*Lecane mitis* Harring and Myers, 1926
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Lecane monostyla* (Daday, 1897)
*Monostyla monostyla* Daday, 1897
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Neto 2001; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Branco *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane nana* (Murray, 1913)
*Cathypna nana* Murray 1913
Murray 1913; Koste 1972a,b; 1974b; Dabés 1995; Landa and Mourgés-Schurter 2000; Sampaio *et al.* 2002; Esteves *et al*. 2000; Souza-Soares *et al*. 2011.

*Lecane nelsoni* Segers, 1994
Segers 1994 (RT); 1996; de Paggi and Koste 1995; Magalhães and Pimpão 2004.

*Lecane nitida* (Murray, 1913)
*Cathypna nitida* Murray, 1913
Murray 1913; Krau 1967; Dabés 1995.

*Lecane obtusa* (Murray, 1913)
*Monostyla obtusa* Murray, 1913
Murray 1913; Krau 1967; Koste 1972b; 1974b; 2000; Koste and Robertson 1983; 1990; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Sampaio *et al.* 2002; Segers and Sarma 1993; Melo-Junior *et al.* 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Almeida *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane ohioensis* (Herrick, 1885)
Syn.: *Lecane ichthyoura* (Anderson and Shephard, 1892)
Green 1972a; Koste and Robertson 1983; 1990; Crispim and Watanabe 2000; Koste 2000; Crispim and Freitas 2005; Melo-Junior *et al.* 2007; Souza-Soares *et al*. 2011.

*Lecane papuana* (Murray, 1913)
*Cathypna papuana* Murray, 1913
Syn.: *Lecane presumpta* Ahlstrom, 1938
Syn.: *Lecane luna* var. *presumpta* Ahlstrom, 1938
Murray 1913; Ahlstrom 1938; 1953; Hauer 1953; 1965; Krau 1967; Green 1972; Koste 1972a; Schaden 1976; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Neumann-Leitão 1990; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; Esteves *et al*. 2000; Aoyagui *et al.* 2003; de Azevedo and Bonecker

2003; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; Abra 2008; Melo-Junior *et al.* 2007; Joko *et al.* 2008; Palazzo *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane perplexa* (Ahlstrom, 1938)
Souza-Soares *et al*. 2011.

*Lecane pertica* Harring and Myers, 1926
Syn.: *Lecane pertica pertica* Harring and Myers, 1926
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1990; Bozelli 1992; Segers and Sarma 1993; Segers 1996; Souza-Soares *et al*. 2011.

*Lecane ploenensis* (Voigt, 1902)
Green 1972; Koste 1972a,b; 1974a,b; Koste and Robertson 1990.

*Lecane pomiformis* Edmondson, 1938
Syn.: *Lecane paraclosterocerca* Pennak, 1939
Koste 1972b; 1974b.

*Lecane proiecta* Hauer, 1956
Hauer 1956; 1965; Gillard 1967; Koste 1972a,b; 1974b; Brandorff *et al.* 1982; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Reid and Turner 1988; Turner 1990; Bozelli 1992; Segers 1996; Espíndola *et al.* 2000; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Ulloa 2004; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Branco *et al.* 2007; 2008; Neves and Serafim-Júnior 2007; Palazzo *et al.* 2008; Joko *et al.* 2008; Borges and Pedrozo 2009; Bonecker *et al.* 2009; Negreiros *et al*. 2010; Santos 2010; Souza-Soares *et al*. 2011.

*Lecane psammophila* (Wiszniewski, 1932)
Koste 2000; Maia-Barbosa *et al.* 2008.

*Lecane pumila* (Rousselet, 1906)
Souza-Soares *et al*. 2011.

*Lecane punctata* (Murray, 1913)
*Monostyla punctata* Murray, 1913
Syn.: *Lecane aguessei* De Ridder, 1960
Syn.: *Lecane harringi* (Ahlstrom, 1934)
Murray 1913; Krau 1967; Turner 1990; Turner and da Silva 1992.

*Lecane pusilla* Harring, 1914
Segers and Dumont 1995; Maia-Barbosa *et al.* 2008; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.

*Lecane pyriformis* (Daday, 1905)
*Monostyla pyriformis* Daday, 1905
Hauer 1953; Oliveira 1959; Krau 1967; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Bozelli 1992; Segers and Sarma 1993; Segers and Dumont 1995; Neves *et al.* 2003; Lucinda *et al.* 2004; Crispim and Freitas 2005; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane quadridentata* (Ehrenberg, 1832)
*Monostyla quadridentata* Ehrenberg, 1830
Syn.: *Monostyla bicornis* Daday, 1897
Murray 1913; Hauer 1953; 1965; Krau 1967; Koste 1972a,b; 1974a,b; Schaden 1976; 1978; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Segers and Dumont 1995; Garcia *et al.* 1998; Branco *et al.* 2000; 2005; 2008; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a; Martinez *et al.* 2000; Moretto 2001; Waichman *et al.* 2002; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Abra 2008; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Joko *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Millan 2009; Souza-Soares *et al*. 2011.

*Lecane remanei* Hauer, 1964
Hauer 1964 (RT); Koste 1972a; Bozelli 1992; Segers 1996.

*Lecane rhenana* Hauer, 1929.
Segers and Sarma 1993; Souza-Soares *et al*. 2011.

*Lecane rhytida* Harring and Myers, 1926.
Koste 1972a; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Joko *et al*. 2008.

*Lecane roberstsonae* Segers, 1993
Syn.: *Lecane aspasia amazonica* Koste and Robertson, 1983
Koste and Robertson 1983; de Paggi and Koste 1995; Segers 1996; Koste 2000; Joko *et al.* 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009.

*Lecane rudescui* Hauer, 1965
Hauer 1965; Koste 1972a; Koste *et al.* 1984; Segers 1996.

*Lecane rugosa* (Harring, 1914)
*Monostyla rugosa* Harring, 1914
Green 1972; Koste 1972a; Hardy 1980; Dabés 1995; de Paggi and Koste 1995; Segers 1996; Abra 2007; Souza-Soares *et al*. 2011.

*Lecane ruttneri* Hauer, 1938
Koste 1972a; Segers and Sarma 1993; Landa and Mourgés-Schurter 2000a,b; Sampaio *et al.* 2002; Souza-Soares *et al*. 2011.

*Lecane scutata* (Harring and Myers, 1926)
*Monostyla scutata* Harring and Myers, 1926
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1990; Dabés 1995; Crispim and Watanabe 2000; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Cabianca 2005; Melo-Junior *et al.* 2007; Ferraz *et al.* 2009; Millan 2009; Souza-Soares *et al*. 2011.

*Lecane signifera* (Jennings, 1896)
Koste and Robertson 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Segers and Dumont 1995; Seger 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Koste 2000; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2008; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.

*Lecane signifera ploenensis* (Voigt, 1902)
Koste 1972b; 1974b; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Turner and da Silva 1992; Dabés 1995.

*Lecane sola* Hauer, 1936
Hauer 1936; Segers and Sarma 1993; Koste 2000; Souza-Soares *et al*. 2011.

*Lecane spinulifera* Edmondson, 1935
Turner 1990; de Paggi and Koste 1995; Branco *et al.*

2007; 2008.

*Lecane stenroosi* (Meissner, 1908)
Syn.: *Lecane stenroosi stenroosi* (Meissner, 1908)
de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Branco *et al.* 2007; 2008; Neves and Serafim-Júnior 2007; Abra 2008; Joko *et al.* 2008; Casanova *et al.* 2009; Negreiros *et al*. 2010; Souza-Soares *et al*. 2011.

*Lecane stichaea* Harring, 1913
Syn.: *Lecane stichaea stichaea* Harring, 1913
Syn.: *Lecane methoria* Harring and Myers, 1926
Koste 1972a,b; 1974a,b; Koste and Robertson 1990; Bozelli 1992; Dabés 1995; Segers and Dumont 1995; Nunes *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a; Moretto 2001; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Melo-Junior *et al.* 2007; Joko *et al.* 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010.

*Lecane stichaeoides* Hauer, 1938
Koste and Robertson 1983.

*Lecane styrax* (Harring and Myers, 1926)
Koste and Robertson 1983; 1990; Turner and da Silva 1992.

*Lecane subtilis* Harring and Myers, 1926
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Crispim and Freitas 2005; Abra 2008; Joko *et al*. 2008; Souza-Soares *et al*. 2011.

*Lecane subulata* (Harring and Myers, 1926)
Koste and Robertson 1990.

*Lecane sympoda* Hauer, 1929
Koste 1972a; Koste and Robertson 1990; Segers 1996.

*Lecane tenuiseta* Harring, 1914
Koste and Robertson 1990; Koste 2000.

*Lecane thienemanni* (Hauer, 1938)
Joko *et al*. 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Lecane uenoi* Yamamoto, 1951
Segers *et al.* 1993a; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Lecane undulata* Hauer, 1938
Koste 2000.

*Lecane unguitata* (Fadeev, 1925)
Syn.: *Lecane unguitata unguitata* (Fadeew, 1925)
Koste 1972a; Turner and da Silva 1992; Segers and Pourriot 1997; Crispim and Watanabe 2000; Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Cabianca 2005; Melo-Junior *et al.* 2007; Lansac-Tôha *et al.* 2009; Millan 2009; Souza-Soares *et al*. 2011.

*Lecane ungulata* (Gosse, 1887)
Green 1972a,b; Koste 1974a,b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Bonecker *et al.* 2005; Joko *et al.* 2008; Souza-Soares *et al*. 2011.

*Lecane venusta* Harring and Myers, 1926
Koste 2000.

Genus *Lepadella* Bory de St. Vincent, 1826

*Lepadella acuminata* (Ehrenberg, 1834)
Koste 1972a,b; 1974b; 2000; Turner and da Silva 1992; Bozelli 1992; Segers and Sarma 1993; Dabés 1995; Sampaio *et al.* 2002; Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Abra 2008; Souza-Soares *et al*. 2011.

*Lepadella akrobeles* Myers, 1934
Crispim and Watanabe 2000; Melo-Junior *et al.* 2007.

*Lepadella amazonica* Segers, 1993
Segers *et al.* 1993a; de Paggi and Koste 1995; Segers 1996; Magalhães and Pimpão 2004.

*Lepadella amphitropis* Harring, 1916
Koste 1972a; Segers and Sarma 1993.

*Lepadella apsida* Harring, 1916
Turner and da Silva 1992; de Paggi and Koste 1995; Crispim and Freitas 2005.

*Lepadella benjamini* Harring, 1916
Syn.: *Lepadella benjamini* f. *braziliensis* Koste 1972a
Koste 1972a; 2000; Koste and Robertson 1983; 1900; Koste *et al.* 1984; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Magalhães and Pimpão 2004; Bonecker *et al.* 2005; Souza-Soares *et al*. 2011.

*Lepadella bicornis* Vasisht and Battish, 1971
Segers *et al.* 1993a.

*Lepadella costata* Wulfert, 1940
Koste 1972a; 1974a.

*Lepadella costatoides* Segers, 1992
Segers 1992; Segers and Sarma 1993; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Lepadella cristata* (Rousselet, 1893)
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Bozelli 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Souza-Soares *et al*. 2011.

*Lepadella cryphaea* Harring, 1916
Segers and Sarma 1993.

*Lepadella curvicaudata* Turner, 1990
Turner 1990; de Paggi and Koste 1995.

*Lepadella cyrtopus* Harring, 1914
Koste and Robertson 1983; Koste *et al.* 1984.

*Lepadella dactyliseta* (Stenroos, 1898)
Koste 1972a,b; 1974b; Turner and da Silva 1992; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Lepadella donneri* Koste, 1972
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner 1990; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Magalhães and Pimpão 2004; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.

*Lepadella elongata* Koste, 1972
Koste 1972; Segers and Dumont 1995; Souza-Soares *et al*. 2011.

*Lepadella ehrenbergii* (Perty, 1850)
Koste 1972b; 1974b.

*Lepadella elliptica* Wulfert, 1939
Souza-Soares *et al*. 2011.

*Lepadella glossa* Wulfert, 1960
Souza-Soares *et al*. 2011.

*Lepadella heterodactyla* Fadeew, 1925
Koste 2000; Souza-Soares *et al*. 2011.

*Lepadella heterostyla* (Murray, 1913)

Koste 1972b; 1974b.
*Lepadella imbricata* Harring, 1914
Koste 1972a; 1974a; Koste and Robertson 1983; Turner and da Silva 1992; Pareschi 2004; Souza-Soares *et al*. 2011.
*Lepadella latusinus* (Hilgendorf, 1899)
Syn.: *Lepadella latusinus* var. *americana* Myers, 1934
Koste 1972a,b; 1974a,b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Koste 2000; Cabianca 2005; Souza-Soares *et al*. 2011.
*Lepadella lindaui* Koste, 1981
Segers *et al.* 1993a; de Paggi and Koste 1995.
*Lepadella minoruoides* Koste and Robertson, 1983
Koste and Robertson 1983; de Paggi and Koste 1995; Magalhães and Pimpão 2004.
*Lepadella monodactyla* Bērziņš, 1960
Syn.: *Lepadella monodactyla* f. *caudata* Koste 1972a
Koste 1972a; Koste and Robertson 1990; Magalhães and Pimpão 2004.
*Lepadella monodactyla braziliensis* Koste 1972a
Koste 1972a.
*Lepadella neglecta* Segers and Dumont, 1995
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011; Souza-Soares *et al*. 2011.
*Lepadella oblonga* (Ehrenberg, 1834)
Borges and Pedrozo 2009.
*Lepadella ovalis* (Müller, 1786)
Koste and Robertson 1983; Koste *et al.* 1984; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a; Martinez *et al.* 2000; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Pareschi 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Borges and Pedrozo 2009; Ferraz *et al.* 2009; Millan 2009; Souza-Soares *et al.* 2011; Souza-Soares *et al*. 2011.
*Lepadella patella* (Müller, 1773)
Ahlstrom 1938; Hauer 1953; 1965; Oliveira 1959; Krau 1967; Koste 1972a; Schaden 1976; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Turner and da Silva 1992; Dabés 1995; Segers and Dumont 1995; Nunes *et al.* 1996; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Branco *et al.* 2002; 2007; 2008; Landa *et al.* 2002; Neves *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Ferraz *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.
*Lepadella patella oblonga* (Ehrenberg, 1834)
Crispim and Freitas 2005; Souza-Soares *et al*. 2011.
*Lepadella patella patella* (Müller, 1786)
Syn.: *Lepadella minuta* Weber and Montet, 1919
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; de Souza *et al.* 1998; Koste 2000; Cabianca 2005; Abra 2008; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
*Lepadella pterygoida* (Dunlop, 1897)
Segers *et al.* 1993a.
*Lepadella quadricarinata* (Stenroos, 1898)
Segers and Sarma 1993; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al*. 2011.
*Lepadella quinquecostata* (Lucks, 1912)
*Metopidia quinquecostata* Lucks, 1912
Murray 1913; Krau 1967; Koste 1972a; 2000; Koste and Robertson 1990; Turner and da Silva 1992; Segers and Sarma 1993; Serafim-Júnior *et al.* 2003; Maia-Barbosa *et al.* 2008.
*Lepadella quinquecostata quinquecostata* (Lucks, 1912)
Syn.: *Lepadella christinei* Koste, 1990
Koste 1990; Koste and Robertson 1990; Magalhães and Pimpão 2004; Souza-Soares *et al*. 2011.
*Lepadella rhomboides* (Gosse, 1886)
*Metopidia rhomboides* Gosse, 1886
Murray 1913; Hauer 1953; Krau 1967; Koste 1972b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Lucinda *et al.* 2004.
*Lepadella rottenburgi* (Lucks, 1912)
Hauer 1965; Green 1972; Koste 1972a; 1974a; Espíndola *et al.* 1996.
*Lepadella rhomboides rhomboides* (Gosse, 1886)
Syn.: *Lepadella rhomboides carinata* Donner, 1943
Koste 1972a; Souza-Soares *et al*. 2011.
*Lepadella tenella* Wulfert, 1942
Serafim-Júnior *et al.* 2006.
*Lepadella triba* Myers, 1934
Koste 1972b; 1974a,b; Koste and Robertson 1983; Koste *et al.* 1984; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Lepadella tricostata* Koste, 1990
Koste and Robertson 1990; de Paggi and Koste 1995.
*Lepadella triptera* (Ehrenberg, 1832)
*Metopidia triptera* Ehrenberg, 1832
Murray 1913; Krau 1967; Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; Segers and Dumont 1995; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Lepadella whitfordi* Ahlstrom, 1938
Koste 1972b; 1974b.
*Lepadella wrighti* Koste, 1972a
Koste 1972a; Magalhães and Pimpão 2004.

Genus *Limnias* Schrank, 1803
*Limnias ceratophylli* Schrank, 1803
Koste 1972a,b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992.
*Limnias melicerta* Weisse, 1848
Koste 1972b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Lansac-Tôha *et al.* 2009.

Genus *Lindia* Dujardin, 1841
*Lindia fulva* Harring and Myers, 1922
Segers and Sarma 1993; de Paggi and Koste 1995; Koste 2000.
*Lindia pallida* Harring and Myers, 1922
Turner and da Silva 1992; de Paggi and Koste 1995;

Souza-Soares *et al*. 2011.

*Lindia torulosa* Dujardin, 1841

Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Lindia truncata* (Jennings, 1894)

Koste 1972b; 1974b; Koste and Robertson 1983; 1990; Turner and da Silva 1992; Souza-Soares *et al*. 2011.

Genus *Lophocharis* Ehrenberg, 1838

*Lophocharis oxysternon* (Gosse, 1851)

Casanova *et al.* 2009; Lansac-Tôha *et al.* 2009.

*Lophocharis salpina* (Ehrenberg, 1834)

Syn.: *Metopidia salpina* Hudson and Gosse, 1889

Murray 1913; Krau 1967; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.

Genus *Macrochaetus* Perty, 1850

*Macrochaetus altamirai* (Arévalo, 1918)

Syn.: *Macrochaetus altamirai braziliensis* Koste, 1972a

Koste 1972a; 2000; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; de Paggi *et al.* 2000 (RT); Magalhães and Pimpão 2004; Souza-Soares *et al*. 2011.

*Macrochaetus americanus* Segers and Sarma, 1993

Segers and Sarma 1993; de Paggi and Koste 1995; de Paggi *et al.* 2000; Koste 2000; Magalhães and Pimpão 2004.

*Macrochaetus aspinus* Segers and Sarma, 1993

Segers and Sarma 1993; de Paggi and Koste 1995; de Paggi *et al.* 2000; Koste 2000; Magalhães and Pimpão 2004.

*Macrochaetus collinsii* (Gosse, 1867)

Syn.: *Polychaetus collinsii* (Gosse, 1867)

Murray 1913; Hauer 1965; Gillard 1967; Krau 1967; Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste and Hardy 1984; Koste *et al.* 1984; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2007; 2008; Landa and Mourgés-Schurter 2000a,b; de Paggi *et al.* 2000; Moretto 2001; Landa *et al.* 2002; Bonecker *et al.* 2005; Melo-Junior *et al.* 2007; Maia-Barbosa *et al.* 2008.

*Macrochaetus collinsii collinsii* (Gosse, 1867)

Syn.: *Macrochaetus brasiliensis* Ahlstrom 1938

Ahlstrom 1938; Krau 1967; Koste 1972a; Abra 2008; Souza-Soares *et al*. 2011.

*Macrochaetus kostei* de Paggi, Branco and Kozlowsky-Suzuki, 2000

de Paggi *et al.* 2000; Branco *et al.* 2000; 2005.

*Macrochaetus longipes* Myers, 1934

Koste 1972a,b; 1974a,b; 2000; Turner and da Silva 1992; Dabés 1995; de Souza *et al.* 1998; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000b; Neves *et al.* 2003; Branco *et al.* 2005; Melo-Junior *et al.* 2007; Maia-Barbosa *et al.* 2008; Lansac-Tôha *et al.* 2009.

*Macrochaetus multispinosus* Myers, 1934

de Paggi *et al.* 2000; Koste 2000; Souza-Soares *et al.* 2011.

*Macrochaetus paggiensae* Koste, 2000

Koste 2000.

*Macrochaetus sericus* (Thorpe, 1893)

Koste 1972a,b; 1974b; 2000; Koste *et al.* 1984; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; de Paggi *et al.* 2000; Neves *et al.* 2003; Sampaio *et al.* 2002; Bonecker *et al.* 2005; Maia-Barbosa *et al.* 2008; Ferraz *et al.* 2009; Souza-Soares *et al*. 2011.

*Macrochaetus subquadratus* (Perty, 1850)

Hardy 1980; de Paggi *et al.* 2000; Lucinda *et al.* 2004; Neves and Serafim-Júnior 2007; Borges and Pedrozo 2009; Lansac-Tôha *et al.* 2009; Souza-Soares *et al.* 2011.

Genus *Macrotrachela* Milne, 1886

*Macrotrachela formosa* (Murray, 1906)

Krau 1967.

*Macrotrachela habita* (Bryce, 1894)

Murray 1913; Krau 1967.

*Macrotrachela multispinosa* Thompson, 1892

Murray 1913; Krau 1967; Koste 1972a.

*Macrotrachela multispinosa multispinosa* Thompson, 1892

Koste 1972a.

*Macrotrachela pacifica* (Murray, 1911)

Murray 1913; Krau 1967.

*Macrotrachela papillosa* Thompson, 1892

Murray 1913; Krau 1967.

*Macrotrachela plicata* (Bryce, 1892)

Murray 1913; Krau 1967; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

Genus *Microcodon* Ehrenberg, 1830

*Microcodon clavus* Ehrenberg, 1830

Koste and Hardy 1984; de Paggi and Koste 1995; Souza-Soares *et al*. 2011.

Genus *Mikrocodides* Bergendal, 1892

*Mikrocodides robustus* (Glascott, 1893)

Lansac-Tôha *et al.* 2009.

Genus *Mniobia* Bryce, 1910

*Mniobia tetraodon* (Ehrenberg, 1848)

Murray 1913; Krau 1967.

Genus *Monommata* Bartsch, 1870

*Monommata actices* Myers, 1930

Syn.: *Monommata arndti* Remane, 1933

Koste and Hardy 1984; de Paggi and Koste 1995; Koste *et al.* 1984; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Millan 2009; Souza-Soares *et al*. 2011.

*Monommata aeschyna* Myers, 1930

Souza-Soares *et al*. 2011.

*Monommata astia* Myers, 1930

Turner and da Silva 1992.

*Monommata caudata* Myers, 1930

Souza-Soares *et al*. 2011.

*Monommata grandis* Tessin, 1890

Koste 1972a,b; 1974b; Koste and Robertson 1990; Souza-Soares *et al*. 2011.

*Monommata hyalina* Myers, 1930

Koste 1972b; 1974b.

*Monommata longiseta* (Müller, 1786)
Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Cabianca 2005; Souza-Soares *et al*. 2011.
*Monommata maculata* Harring and Myers, 1930
Green 1972a; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Turner 1990; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Koste 2000; Lucinda *et al.* 2004; Abra 2008; Souza-Soares *et al*. 2011.
*Monommata phoxa* Myers, 1930
Turner and da Silva 1992.

Genus *Mytilina* Bory de St. Vincent, 1826
*Mytilina acanthophora* Hauer, 1938
Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Dabés 1995; Garcia *et al.* 1998; Aoyagui *et al.* 2003; Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.
*Mytilina bisulcata* (Lucks, 1912)
Koste and Robertson 1983; 1990; Koste *et al.* 1984; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; Esteves *et al*. 2000; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Pareschi 2004; Cabianca 2005; Nascimento 2008; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.
*Mytilina compressa* (Gosse, 1851)
Hauer 1953; Krau 1967; Turner and da Silva 1992.
*Mytilina macrocera* (Jennings, 1894)
Koste 1974a; Koste and Robertson 1990; Bozelli 1992; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Esteves *et al*. 2000; Bonecker *et al.* 2005; Souza-Soares *et al*. 2011.
*Mytilina michelangellii* Reid and Turner, 1988
Syn.: *Mytilina ventralis* f. *diversicantha* Wulfert, 1965
Reid and Turner 1988; Oliveira-Neto and Moreno 1998; Koste and Robertson 1990.
*Mytilina mucronata* (Müller, 1773)
Syn.: *Salpina mucronata* Ehrenberg, 1830
Murray 1913; Krau 1967; Sampaio *et al.* 2002; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Mytilina mucronata mucronata* (Müller, 1773)
Souza-Soares *et al*. 2011.
*Mytilina mucronata spinigera* (Ehrenberg, 1830)
Turner and da Silva 1992.
*Mytilina trigona* (Gosse, 1851)
Murray 1913; Krau 1967; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Dabés 1995.
*Mytilina unguipes* (Lucks, 1912)
Koste and Robertson 1983; Dabés 1995; de Paggi and Koste 1995; Serafim *et al.* 2003.
*Mytilina ventralis* (Ehrenberg, 1830)
Syn.: *Mytilina ventralis macracantha* (Gosse, 1886)
Hauer 1965; Green 1972; Koste 1972a,b; 1974a,b; 2000; Schaden 1976; Hardy 1980; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Reid and Turner 1988; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Esteves *et al*. 2000; Martinez *et al.* 2000; Aoyagui *et al.* 2003; Serafim-Júnior *et al.* 2003; 2006; 2010; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Neves and Serafim-Júnior 2007; Melo-Junior *et al.* 2007; Branco *et al.* 2008; Maia-Barbosa *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.
*Mytilina ventralis brevispina* (Ehrenberg, 1830)
Serafim *et al.* 2003.
*Mytilina ventralis ventralis* (Ehrenberg, 1830)
Koste *et al.* 1984; Koste and Robertson 1990.

Genus *Notholca* Gosse, 1886
*Notholca acuminata* (Ehrenberg, 1832)
Lansac-Tôha *et al.* 2009.
*Notholca verae* Kutikova, 1958
Sampaio *et al.* 2002; Souza-Soares *et al*. 2011.

Genus *Notommata* Ehrenberg, 1830
*Notommata allantois* Wulfert, 1935
Koste 1972b; 1974b; 2000; Turner and da Silva 1992; Souza-Soares *et al*. 2011.
*Notommata cerberus* (Gosse, 1886)
Koste *et al.* 1984; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al*. 2011.
*Notommata codonella* Harring and Myers, 1924
Pareschi 2004; Souza-Soares *et al*. 2011.
*Notommata copeus* Ehrenberg, 1834
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Turner and da Silva 1992; Segers and Sarma 1993; Landa and Mourgés-Schurter 2000a; Neves *et al.* 2003; Lucinda *et al.* 2004; Neves and Serafim-Júnior 2007; Souza-Soares *et al*. 2011.
*Notommata cyrtopus* Gosse, 1886
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al*. 2011.
*Notommata falcinella* Harring and Myers, 1922
Koste 2000; Lansac-Tôha *et al.* 2009; Souza-Soares *et al*. 2011.
*Notommata glyphura* Wulfert, 1935
Koste 1972a,b; 1974b; Koste *et al.* 1984; Koste and Robertson 1990; Turner and da Silva 1992; Lucinda *et al.* 2004; Souza-Soares *et al*. 2011.
*Notommata haueri* Wulfert, 1939
Lansac-Tôha *et al.* 2009.
*Notommata pachyura* (Gosse, 1886)
Koste and Robertson 1990; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al*. 2011.
*Notommata peridia* Harring and Myers, 1922
Reid and Turner 1988.
*Notommata prodota* Myers, 1933
Neves *et al.* 2003; Lansac-Tôha *et al.* 2009.
*Notommata pseudocerberus* de Beauchamp, 1908
Koste 1972b; 1974b; Neves *et al.* 2003; Lucinda *et al.* 2004; Souza-Soares *et al*. 2011.
*Notommata saccigera* Ehrenberg, 1830
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Lucinda *et al.* 2004; Souza-Soares *et al*. 2011.
*Notommata tripus* Ehrenberg, 1838
Koste and Robertson 1990; de Paggi and Koste 1995;

Koste 2000.
*Notommata stitista* Myers, 1937
Aoyagui and Bonecker 2004b.

Genus *Octoctrocha* Thorpe, 1893
*Octoctrocha speciosa* Thorpe, 1893
Koste 1972b; 1974b; Koste and Robertson 1990; Lucinda *et al.* 2004; Souza-Soares *et al*. 2011.

Genus *Paracolurella* Myers, 1936
*Paracolurella aemula* (Myers, 1934)
Syn.: *Colurella logima aemula* (Myers, 1934)
Turner and da Silva 1992; de Paggi and Koste 1995; Koste 2000.
*Paracolurella logima* Myers, 1934
Syn.: *Colurella logima logima* (Myers, 1934)
Koste 1972a; 2000; Borges and Pedrozo 2009.

Genus *Philodina* Ehrenberg, 1830
*Philodina acuticornis* Murray, 1902
Murray 1913; Krau 1967.
*Philodina brevipes* Murray, 1902
Murray 1913; Krau 1967.
*Philodina megalotrocha* Ehrenberg, 1832
Murray 1913; Krau 1967; Koste 1972a; Koste *et al.* 1984.
*Philodina plena* (Bryce, 1894)
Murray 1913; Krau 1967.
*Philodina rugosa* Bryce, 1903
Murray 1913; Krau 1967.
*Philodina triangulares* Murray, 1913
Murray 1913; Krau 1967.
*Philodina vorax* (Janson, 1893)
Murray 1913; Krau 1967.

Genus *Plationus* Segers, Murugan and Dumont, 1993
*Plationus macracanthus* (Daday, 1905)
Campos *et al.* 1996; Nunes *et al.* 1996; Garcia *et al.* 1998; Martinez *et al.* 2000; Ulloa 2004; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Neves and Serafim-Júnior 2007; Negreiros *et al*. 2010.
*Plationus patulus* (Müller, 1786)
*Brachionus patulus* Müller, 1786
Syn.: *Noteus militaris* Ehrenberg, 1834
Murray 1913; Ahlstrom 1940; Hauer 1953; Krau 1967; Green 1972; Koste 1972a,b; 1974b; Schaden 1976; Hardy 1980; Paranaguá and Neumann-Leitão 1982; Neumann-Leitão and de Souza 1987; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Lansac-Tôha *et al.* 1993; Segers and Sarma 1993; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000b; Moretto 2001; Landa *et al.* 2002; Waichman *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Leitão *et al.* 2006; Vitorio 2006; Branco *et al.* 2007; 2008; Eskinazi-Sant´Anna *et al.* 2007; Melo-Junior *et al.* 2007; Maia-Barbosa *et al.* 2008; Almeida *et al.* 2009; Bonecker *et al.* 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Leitão *et al.* 2009; Sartori *et al.* 2009; Negreiros *et al*. 2010; Santos 2010.
*Plationus patulus macracanthus* (Daday, 1905) 530
*Noteus patulus macracanthus* Daday, 1905
Syn.: *Brachionus patulus macracanthus* (Daday, 1905)
Ahlstrom 1940; Hauer 1965; Krau 1967; Koste 1972a,b; 1974a,b; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão 1990; Sendacz and Costa 1991; Turner and da Silva 1992; Dabés 1995; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Aoyagui *et al.* 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Abra 2008; Neves and Serafim-Júnior 2007; Casanova *et al.* 2009; Cavalcanti *et al.* 2008; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.
*Plationus patulus patulus* (Müller, 1786)
Syn.: *Brachionus patulus patulus* Muller, 1786
Koste 1974a; Koste and Robertson 1983; Koste *et al.* 1984; Bozelli 1992; Dabés 1995; de Souza *et al.* 1998; Garcia *et al.* 1998; Crispim and Watanabe 2000; Neves *et al.* 2003; Lucinda *et al.* 2004; Cabianca 2005; Abra 2007; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.

Genus *Platyias* Harring, 1913
*Platyias brevispina* (Daday, 1905)
Turner and da Silva 1992.
*Platyias latiscapularis* Koste, 1974b
Koste 1974b; Koste and Robertson 1983; 1990; Turner and da Silva 1992; Segers *et al.* 1993b; Dabés 1995; Branco *et al.* 2005.
*Platyias leloupi* Gillard, 1967
Syn.: *Platyias leloupi leloupi* Gillard, 1967
Syn.: *Platyias leloupi* f. *latiscapularis* Koste, 1974a
Koste 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Millan 2009; Souza-Soares *et al*. 2011.
*Platyias quadricornis* (Ehrenberg, 1832)
*Noteus quadricornis* Ehrenberg, 1832
Murray 1913; Spandl 1926; Hauer 1953; Krau 1967; Thomasson 1971; Koste 1972a; 1974b; 2000; Schaden 1976; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Campos *et al.* 1996; Segers and Dumont 1995; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; Nogueira and Panarelli 1997; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a; Neves *et al.* 2003; Sampaio *et al.* 2002; Lucinda *et al.* 2004; Pareschi 2004; Keppeler and Hardy 2004; Crispim and Freitas 2005; Almeida *et al.* 2006; Vitorio 2006; Abra 2008; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Cavalcanti *et al.* 2008; Borges and Pedrozo 2009; Bonecker *et al.* 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Sartori *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Platyias quadricornis quadricornis* (Ehrenberg, 1832)

Syn.: *Platyas quadricornis brevispinus* (Daday, 1905)
Syn.: *Platyias quadridentatus* f. *brevispinus* (Daday, 1905)
Ahlstrom 1938; Krau 1967; Koste 1972b; 1974a,b; Hardy 1980; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste *et al.* 1984; Garcia *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Cabianca 2005; Serafim-Júnior *et al.* 2006; 2010.

Genus *Pleuretra* Bryce, 1910
*Pleuretra brycei* (Weber, 1898)
Murray 1913; Krau 1967.
*Pleuretra humerosa* (Murray, 1905)
Murray 1913; Krau 1967.
*Pleuretra triangularis* Murray, 1913
Murray 1913; Krau 1967.

Genus *Pleurotrocha* Ehrenberg, 1830
*Pleurotrocha robusta* (Glascott, 1893)
Neves *et al.* 2003; Abra 2008; Souza-Soares *et al*. 2011.

Genus *Ploesoma* Herrick, 1885
*Ploesoma lenticulare* Herrick, 1885
Koste 1972a; 1974a; Koste and Hardy 1984; Koste *et al.* 1984; Branco *et al.* 2000; 2005; Lansac-Tôha *et al.* 2009; Souza-Soares *et al*. 2011.
*Ploesoma truncatum* (Levander, 1894)
Hauer 1965; Gillard 1967; Thomasson 1971; Koste 1972a; Schaden 1976; Neumann-Leitão 1990; Bozelli 1992; Segers and Dumont 1995; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000b; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Almeida *et al.* 2006; 2009; Abra 2008; Melo-Junior *et al.* 2007; Casanova *et al.* 2009; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.

Genus *Polyarthra* Ehrenberg, 1834
*Polyarthra dolichoptera* Idelson, 1925
Syn.: *Polyarthra dolichoptera dolichoptera* Idelson, 1925
Koste 1972a; Turner and da Silva 1992; Dabés 1995; Espíndola *et al.* 1996; Branco *et al.* 2000; 2002; 2005; 2008; Crispim and Watanabe 2000; Martinez *et al.* 2000; Sampaio and Lopez 2000; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Aoyagui and Bonecker 2004b; Ulloa 2004; Branco *et al.* 2005; Crispim and Freitas 2005; Batista 2007; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Ferraz *et al.* 2009; Millan 2009; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Polyarthra euryptera* Wierzejski, 1891
Padovesi-Fonseca *et al*. 2011.
*Polyarthra longiremis* Carlin, 1943
Koste 1972a; Turner and da Silva 1992; Nogueira and Matsumura-Tundisi 1996.
*Polyarthra major* Burckhardt, 1900
Syn.: *Polyarthra maior* Carlin, 1943
Koste 1972a; de Melo *et al.* 2006; Souza-Soares *et al*. 2011.
*Polyarthra platyptera* Ehrenberg, 1838
Ahlstrom 1938; Krau 1967.
Remarks: It was considered as *species inquirenda* in Segers (2007).
*Polyarthra remata* Skorikov, 1896
Koste 1972a; 1974a; Koste and Hardy 1984; Koste *et al.* 1984; Turner and da Silva 1992; Campos *et al.* 1996; Garcia *et al.* 1998; Sampaio *et al.* 2002; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.
*Polyarthra trigla* Ehrenberg, 1834
Murray 1913; Krau 1967; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
Remarks: It was considered as *species inquirenda* in Segers (2007).
*Polyarthra vulgaris* Carlin, 1943
Syn.: *Polyarthra trigla vulgaris* Carlin, 1943
Syn.: *Polyarthra vulgaris* var. *vulgaris* Carlin, 1943
Syn.: *Polyarthra vulgaris* var. *longiremis* Carlin, 1943
Syn.: *Polyarthra vulgaris* var. *proloba* Wulfert, 1941
Hauer 1953; Krau 1967; Green 1972; Koste 1972a,b; 1974b; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Turner 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Neto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker and Aoyagui 2005; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Leitão *et al.* 2006; Sendacz *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Batista 2007; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Almeida *et al.* 2009; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Leitão *et al.* 2009; Sartori *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011; Dantas-Silva and Dantas 2012.

Genus *Pompholyx* Gosse, 1951
*Pompholyx complanata* Gosse, 1851
Matsumura-Tundisi *et al.* 1990; Oliveira-Neto and Moreno 1998; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Aoyagui *et al.* 2003; Bonecker and Aoyagui 2005; Cabianca 2005; Abra 2008; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.
*Pompholyx sulcata* Hudson, 1885
Crispim and Watanabe 2000; Martinez *et al.* 2000; Aoyagui *et al.* 2003; Sartori *et al.* 2009; Souza-Soares *et al*. 2011.
*Pompholyx triloba* Pejler, 1957
Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Serafim-Júnior *et al.* 2003; Casanova *et al.* 2009; Souza-Soares

*et al*. 2011.

Genus *Proales* Gosse, 1886
*Proales decipiens* (Ehrenberg, 1832)
Turner and da Silva 1992; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al*. 2011.
*Proales doliaris* (Rousselet, 1895)
Millan 2009; Souza-Soares *et al*. 2011.
*Proales fallaciosa* Wulfert, 1937
Neumann-Leitão 1985/1986a; Neumann-Leitão 1990; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Proales gigantea* (Glascott, 1893)
Moretto 2001.
*Proales globulifera* (Hauer, 1921)
Millan 2009; Souza-Soares *et al*. 2011.

Genus *Proalinopsis* Weber, 1918
*Proalinopsis caudatus* (Collins, 1873)
Millan 2009; Souza-Soares *et al*. 2011.
*Proalinopsis staurus* Harring and Myers, 1924
Turner and da Silva 1992; de Paggi and Koste 1995; Souza-Soares *et al*. 2011.

Genus *Ptygura* Ehrenberg, 1832
*Ptygura barbata* Edmondson, 1939
Koste 1972b; 1974b; Koste and Robertson 1990; Koste 2000.
*Ptygura brachiata* (Hudson, 1886)
Koste 1972b; 1974b; Koste 2000.
*Ptygura crystallina* (Ehrenberg, 1834)
Koste 1972b; 1974b.
*Ptygura elsteri* Koste, 1972a
Koste 1972a,b; 1974b; Pareschi 2004; Souza-Soares *et al*. 2011.
*Ptygura furcillata* (Kellicott, 1889)
Koste 1972b; 1974b.
*Ptygura libera* Myers, 1934
Koste 1972a; 2000; Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Segers and Dumont 1995; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Lucinda *et al.* 2004; Sendacz *et al.* 2006; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Ptygura linguata* Edmondson, 1939
Koste and Robertson 1983; Koste and Robertson 1990; Koste 2000.
*Ptygura longicornis* (Davis, 1867)
Koste and Robertson 1990; de Paggi and Koste 1995; Serafim-Júnior *et al.* 2003.
*Ptygura melicerta* Ehrenberg, 1832
Koste 1972a,b; 1974b; Koste *et al.* 1984; Santos 2010; Souza-Soares *et al*. 2011.
*Ptygura melicerta melicerta* Ehrenberg, 1832
Koste 2000.
*Ptygura mucicola* (Kellicott, 1888)
Koste 1972b; 1974b; Koste and Robertson 1990.
*Ptygura pedunculata* Edmondson, 1939
Koste 1972a,b; 1974b; 2000; Borges and Pedrozo 2009.
*Ptygura pilula* (Cubitt, 1872)
Syn.: *Ptygura pilula pilula* (Cubitt, 1872)
Koste 2000.
*Ptygura tacita* Edmondson, 1940
Koste 1972b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Souza-Soares *et al*. 2011.
*Ptygura velata* (Gosse, 1851)
Koste 1972b; 1974b.
*Ptygura wilsonii* (Anderson and Shephard, 1892)
Syn.: *Oecistes pectinifer* Murray 1913
Murray 1913; Krau 1967; Koste 1972a,b; 1974b; Negreiros *et al*. 2010.

Genus *Resticula* Harring and Myers, 1924
*Resticula melandocus* (Gosse, 1887)
Koste *et al.* 1984; de Paggi and Koste 1995; Koste and Robertson 1990.

Genus *Rotaria* Scopoli, 1777
*Rotaria macrura* (Ehrenberg, 1832)
*Rotifer macrurus* Ehrenberg, 1832
Murray 1913; Krau 1967; Koste and Robertson 1983; Koste *et al.* 1984; Branco *et al.* 2000; 2005.
*Rotaria neptunia* (Ehrenberg, 1830)
Oliveira 1959; Oliveria *et al.* 1971; Koste 1972a; Koste and Robertson 1983; 1990; Koste *et al.* 1984; de Souza *et al.* 1998; Martinez *et al.* 2000; Eskinazi-Sant´Anna *et al.* 2007; Padovesi-Fonseca *et al*. 2011; Santos 2010; Souza-Soares *et al*. 2011.
*Rotaria rotatoria* (Pallas, 1766)
Oliveira 1959; Krau 1967; 1972; Koste 1972a; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Koste and Robertson 1990; Neumann-Leitão 1990; de Souza *et al.* 1998; Branco *et al.* 2002; Vitorio 2006; Melo-Junior *et al.* 2007; Dantas-Silva and Dantas 2012.
*Rotaria rotatoria rotatoria* (Pallas, 1766)
Syn.: *Rotifer vulgaris*
Murray 1913; Krau 1967; Koste and Robertson 1983.
*Rotaria sordida sordida* (Western, 1893)
Syn.: *Rotifer longirostris* (Janson, 1893)
Murray 1913; Krau 1967.
*Rotaria tardigrada* (Ehrenberg, 1830)
Syn.: *Rotifer tardigradus* Ehrenberg, 1832
Murray 1913; Oliveira 1959; Krau 1967; Koste and Robertson 1983; Koste *et al.* 1984; Martinez *et al.* 2000.
*Rotaria trisecata* (Weber, 1888)
*Rotifer trisecatus* Weber, 1888
Murray 1913; Krau 1967.

Genus *Rousseletia* Harring, 1913
*Rousseletia corniculata* Harring, 1913
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

Genus *Scaridium* Ehrenberg, 1830
*Scaridium bostjani* Daems and Dumont, 1974
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.
*Scaridium elongatum* Segers, 1996
Koste 1974b; Segers 1996; Magalhães and Pimpão 2004.
*Scaridium longicaudum* (Müller, 1786)
Syn.: *Trichocerca longicauda* Lamarck, 1816

Koste 1972b; 1974a; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Neves *et al.* 2003; Serafim-Júnior *et al.* 2003; 2006; Melo-Junior *et al.* 2007; Souza-Soares *et al*. 2011.

Genus *Sinantherina* Bory de St. Vincent, 1826
*Sinantherina ariprepres* Edmondson, 1939
Koste 1972b; 1974b; Bozelli 1992; Nascimento 2008; Bonecker *et al.* 2009; Souza-Soares *et al*. 2011.
*Sinantherina procera* (Thorpe, 1893)
Koste 1972b; 1974b; Bozelli 1992; Serafim-Júnior *et al.* 2003; Souza-Soares *et al*. 2011.
*Sinantherina semibullata* (Thorpe, 1893)
Koste 1972a; Koste *et al.* 1984; Reid and Turner 1988; Bozelli 1992; Branco *et al.* 2008; Negreiros *et al*. 2010.
*Sinantherina socialis* (Linnaeus, 1758)
Koste 1972a,b; 1974b; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Bozelli 1992; Espíndola *et al.* 1996; 2000; Souza-Soares *et al*. 2011.
*Sinantherina spinosa* (Thorpe, 1893)
Koste 1972a,b; 1974a,b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Aoyagui and Bonecker 2004b; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

Genus *Squatinella* Bory de St. Vincent, 1826
*Squatinella bifurca* (Bolton, 1884)
Koste 1972a.
*Squatinella longispinata* (Tatem, 1867)
Sampaio *et al.* 2002; Souza-Soares *et al*. 2011.
*Squatinella lamellaris* (Müller, 1786)
Syn.: *Squatinella mutica* (Ehrenberg, 1832)
Koste 1974a; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004.

Genus *Stephanoceros* Ehrenberg, 1832
*Stephanoceros fimbriatus* (Goldfusz, 1820)
Koste 1972b; 1974b; Bozelli 1992.
*Stephanoceros millsii* Kellicott, 1886
Koste 1972b; 1974b; 2000.

Genus *Synchaeta* Ehrenberg, 1832
*Synchaeta baltica* Ehrenberg, 1834
Branco *et al.* 2007.
*Synchaeta bicornis* Smith, 1904
Turner 1990; Lopes, 1994 (ZE); Branco *et al.* 2000; 2005; 2007; Souza-Soares *et al*. 2011.
*Synchaeta elsteri* Hauer, 1963
Koste 1972a; Souza-Soares *et al*. 2011.
Remarks: It was considered as *species inquirenda* in Segers (2007).
*Synchaeta jollyae* Shiel and Koste, 1993
Negreiros *et al*. 2010.
*Synchaeta longipes* Gosse, 1887
Koste 1972a; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Dabés 1995; Branco *et al.* 2000; 2005; 2008.
*Synchaeta neapolitana* Rousselet, 1902
Krau 1972 (RT).
*Synchaeta oblonga* Ehrenberg, 1832
Esteves *et al*. 2000; Neto 2001; Landa *et al.* 2002; Cabianca 2005; Sendacz *et al.* 2006; Nascimento 2008; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.
*Synchaeta pectinata* Ehrenberg, 1832
Green 1972; Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Cabianca 2005; Abra 2008; Nascimento 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.
*Synchaeta stylata* Wierzejski, 1893
Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Espíndola *et al.* 2000; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Ulloa 2004; Cabianca 2005; Abra 2008; Casanova *et al.* 2009; Santos 2010; Souza-Soares *et al*. 2011.
*Synchaeta tremula* (Müller, 1786)
Syn.: *Synchaeta tremula* var. *digitata* Krau 1972
Krau 1972; Branco *et al.* 2008.

Genus *Taphrocampa* Gosse, 1851
*Taphrocampa annulosa* Gosse, 1851
Koste 1972b; 1974b; 2000; Segers and Sarma 1993; Turner and da Silva 1992; Turner and da Silva 1992.
*Taphrocampa selenura* Gosse, 1887
Murray 1913; Krau 1967; Koste 1972a,b; 1974b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

Genus *Testudinella* Bory de St. Vincent, 1826
*Testudinella ahlstromi* Hauer, 1956
Koste 1972a,b; 1974a,b; Koste and Robertson 1990; Bozelli 1992; Turner and da Silva 1992; Garcia *et al.* 1998; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Souza-Soares *et al*. 2011.
*Testudinella amphora* Hauer, 1938
Koste 1972b; 1974b; 2000; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.
*Testudinella brycei* Hauer, 1938
Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.
*Testudinella dendradena* de Beauchamp, 1955
Souza-Soares *et al*. 2011.
*Testudinella emarginula* (Stenroos, 1898)
Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000.
*Testudinella greeni* Koste, 1981
Koste and Robertson 1983.
*Testudinella haueriensis* Gillard, 1967
Gillard 1967; Abra 2008; Souza-Soares *et al*. 2011.
*Testudinella incisa* (Ternetz, 1892)

Bozelli 1992.

*Testudinella mucronata* (Gosse, 1886)
Koste 1972a; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Reid and Turner 1988; Bozelli 1992; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Aoyagui *et al.* 2003; Neves *et al.* 2003; Aoyagui and Bonecker 2004b; Bonecker *et al.* 2005; Branco *et al.* 2008; Souza-Soares *et al*. 2011.

*Testudinella mucronata haueriensis* Gillard, 1967
Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Sendacz and Costa 1991; Campos *et al.* 1996; Nunes *et al.* 1996; Garcia *et al.* 1998; Sampaio *et al.* 2002.

*Testudinella ohlei* Koste, 1972a
Syn.: *Testudinella ohlei ohlei* Koste, 1972a
Koste 1972a,b; 1974a,b; 1978b (RT); Koste *et al.* 1984; Koste and Robertson 1990; Bozelli 1992; Garcia *et al.* 1998; Branco *et al.* 2000; 2008; 2005; Lucinda *et al.* 2004; Magalhães and Pimpão 2004; Bonecker *et al.* 2005; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.

*Testudinella parva* (Ternetz, 1892)
Syn.: *Testudinella parva parva* (Ternetz, 1892)
Syn.: *Testudinella semiparva* Hauer, 1938
Green 1972; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1990; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.

*Testudinella patina* (Hermann, 1783)
Syn.: *Pterodina patina* Ehrenberg, 1830
Syn.: *Testudinella patina trilobata* Anderson and Shephard, 1892
Syn.: *Testudinella patina* f. *dendradena* (De Beauchamp, 1955)
Syn.: *Testudinella patina* f. *intermedia* (Anderson, 1898)
Syn.: *Testudinella patina* f. *mucronata* (Gosse, 1886)
Syn.: *Testudinella patina* f. *patina* (Hermann, 1783)
Murray 1913; Hauer 1953; 1965; Gillard 1967; Krau 1967; Koste 1972a,b; 1974a,b; 1978b; 2000; Schaden 1976; Koste and Robertson 1983; Koste *et al.* 1984; Koste and Hardy 1984; Neumann-Leitão and de Souza 1987; Koste and Robertson 1990; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2008; Esteves *et al*. 2000; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Moretto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; Keppeler 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Pareschi 2004; Bonecker *et al.* 2005; 2009; Branco *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; de Melo *et al.* 2006; Batista 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Negreiros *et al*. 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Testudinella reflexa* (Gosse, 1887)
Koste *et al.* 1984.

*Testudinella robertsonae* Koste, 1990
Koste 1990; de Paggi and Koste 1995.

*Testudinella rousseleti* (Voigt, 1902)
Aoyagui *et al.* 2003.

*Testudinella tridentata* Smirnov, 1931
Syn.: *Testudinella tridentata tridentata* Smirnov, 1931
Syn.: *Testudinella tridentata amazonica* Thomasson, 1971
Koste 1972a,b; 1974a,b; Bozelli 1992; Segers and Sarma 1993; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Souza-Soares *et al*. 2011.

*Testudinella truncata* (Gosse, 1886)
Syn.: *Testudinella truncata truncata* Harring, 1913
Aoyagui *et al.* 2003; Borges and Pedrozo 2009.

Genus *Tetrasiphon* Ehrenberg, 1840

*Tetrasiphon hydrocora* Ehrenberg, 1840
Koste and Robertson 1990; de Paggi and Koste 1995; Serafim-Júnior *et al.* 2003.

Genus *Trichocerca* Lamarck, 1801

*Trichocerca abilioi* Segers and Sarma, 1993
Segers and Sarma 1993; de Paggi and Koste 1995; Segers 1996; Magalhães and Pimpão 2004.

*Trichocerca agnatha* Wulfert, 1939
Nogueira and Matsumura-Tundisi 1996.

*Trichocerca bicristata* (Gosse, 1887)
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste and Hardy 1984; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Bozelli 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Landa and Mourgés-Schurter 2000b; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; 2009; Cabianca 2005; Abra 2008; Branco *et al.* 2007; 2008; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.

*Trichocerca bidens* (Lucks, 1912)
Syn.: *Trichocerca cavia* (Gosse, 1886)
Koste 1972b; 1974b; Koste and Robertson 1990; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Moretto 2001; de Azevedo and Bonecker 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Borges and Pedrozo 2009; Millan 2009; Souza-Soares *et al*. 2011.

*Trichocerca brachyura* (Gosse, 1851)
Koste 1972b; 1974a,b; Martinez *et al.* 2000.

*Trichocerca braziliensis* (Murray, 1913)
*Rattulus braziliensis* Murray, 1913
Syn.: *Trichocerca elongata* f. *braziliensis* (Murray, 1913)
Murray 1913; Ahlstrom 1938; Krau 1967; Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste and Hardy 1984; Koste *et al.* 1984; Dabés 1995; Segers and Dumont 1995; Espíndola *et al.* 1996; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Segers 2003 (RB); Lucinda *et al.* 2004; Abra 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Trichocerca capucina* (Wierzejski and Zacharias, 1893)

Green 1972; Koste 1972a; Koste and Hardy 1984; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Dabés 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Sampaio and Lopez 2000; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Sendacz *et al.* 2006; Abra 2008; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Negreiros *et al*. 2010; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Trichocerca chattoni* (de Beauchamp, 1907)

Ahlstrom 1938; Krau 1967; Koste 1972a; 2000; Hardy 1980; Koste and Hardy 1984; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Campos *et al.* 1996; Espíndola *et al.* 1996; 2000; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Batista 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Negreiros *et al*. 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

Remarks: Segers (2007) pointed out that it was originally proposed as subspecies of *Trichocerca cylindrical*.

*Trichocerca collaris* (Rousselet, 1896)

Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1990; Bozelli 1992; Branco *et al.* 2000; 2005; Souza-Soares *et al*. 2011.

*Trichocerca cylindrica* (Imhof, 1891)

Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Aoyagui *et al.* 2003; Landa *et al.* 2002; Lucinda *et al.* 2004; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; 2009; Cabianca 2005; Melo-Junior *et al.* 2007; Nascimento 2008; Souza-Soares *et al*. 2011.

*Trichocerca dixonnuttalli* (Jennings, 1903)

Koste 1972a; Reid and Turner 1988; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Aoyagui and Bonecker 2004b; Bonecker *et al.* 2005; Cabianca 2005; Santos 2010; Souza-Soares *et al*. 2011.

*Trichocerca edmondsoni* (Myers, 1936)

Koste and Robertson 1990; Turner and da Silva 1992; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a; Neves *et al.* 2003; Sampaio *et al.* 2002; Segers 2003; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Branco *et al.* 2008; Abra 2008; Maia-Barbosa *et al.* 2008.

*Trichocerca elongata* (Gosse, 1886)

Syn.: *Trichocerca elongata elongata* (Gosse, 1886)

Koste 1974a; Matsumura-Tundisi *et al.* 1990; Branco *et al.* 2000; 2005; Souza-Soares *et al*. 2011.

*Trichocerca flagellata* Hauer, 1937

Koste and Robertson 1990; Segers and Sarma 1993; Dabés 1995; Koste 2000; Souza-Soares *et al*. 2011.

*Trichocerca gracilis* (Tessin, 1890)

Koste 1972a; Bozelli 1992; Turner and da Silva 1992; Espíndola *et al.* 1996; Garcia *et al.* 1998; Cabianca 2005; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

Remarks: It was considered as *species inquirenda* in Segers (2007).

*Trichocerca heterodactyla* (Tschugunoff, 1921)

Abra 2008; Souza-Soares *et al*. 2011.

Remarks: It was considered as *species inquirenda* in Segers (2007).

*Trichocerca hollaerti* De Smet, 1990

Segers and Sarma 1993; de Paggi and Koste 1995.

*Trichocerca iernis* (Gosse, 1887)

Koste and Robertson 1990; Bonecker *et al.* 2005; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Souza-Soares *et al*. 2011.

*Trichocerca inermis* (Linder, 1904)

Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Koste 2000; Souza-Soares *et al.* 2011.

Remarks: It was considered as *species inquirenda* in Segers (2007).

*Trichocerca insignis* (Herrick, 1885)

Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1990; Dabés 1995; Garcia *et al.* 1998; Aoyagui *et al.* 2003; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2008; Neves and Serafim-Júnior 2007; Casanova *et al.* 2009; Santos 2010; Souza-Soares *et al*. 2011.

*Trichocerca insulana* (Hauer, 1937)

Syn.: *Trichocerca montana* Hauer, 1956

Green 1972; Koste 1972b; 1974b; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Abra 2008; Souza-Soares *et al*. 2011.

*Trichocerca intermedia* (Stenroos, 1898)

Koste and Robertson 1983; Koste *et al.* 1984; Koste 2000.

*Trichocerca lata* (Jennings, 1894)

Crispim and Watanabe 2000.

*Trichocerca longiseta* (Schrank, 1802)

Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Segers and Sarma 1993; Segers and Dumont 1995; Espíndola *et al.* 1996; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Ferraz *et al.* 2009; Millan 2009; Souza-Soares *et al*. 2011.

*Trichocerca lophoessa* (Gosse, 1886)

Koste 1972b; 1974b.

*Trichocerca macera* (Gosse, 1886)

Syn.: *Mastigocerca fusiformis* Levander, 1894

Serafim-Júnior *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005.

*Trichocerca marina* (Daday, 1890)

Abra 2008; Souza-Soares *et al*. 2011.

*Trichocerca minuta* (Gosse, 1886)

Ferraz *et al.* 2009.

Remarks: It was considered as *species inquirenda* in Segers (2007).

*Trichocerca mollis* Edmondson, 1936

Segers 2003; Casanova *et al.* 2009.

*Trichocerca mucosa* (Stokes, 1896)

Green 1972; Koste 1972a,b; 1974a,b; Souza-Soares *et al*. 2011.

*Trichocerca multicrinis* (Kellicott, 1897)

Syn.: *Trichocerca capuchina multicrinis* Kellicott, 1897

Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Souza-Soares *et al*. 2011.

*Trichocerca mus* Hauer, 1938

Koste and Robertson 1983; Matsumura-Tundisi *et al.*

1990; Oliveira-Neto and Moreno 1998; Abra 2008; Souza-Soares *et al.* 2011.

*Trichocerca musculus* (Hauer, 1937)
Souza-Soares *et al*. 2011.

*Trichocerca myersi* (Hauer, 1931)
Bozelli 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Bonecker *et al.* 2009.

*Trichocerca nitida* Harring, 1914
Syn.: *Trichocerca tapeinotes* Ahlstrom, 1938
Ahlstrom 1938; Krau 1967.
Remarks: It was considered as *species inquirenda* in Segers (2007).

*Trichocerca obtusidens* (Olofsson, 1918)
Syn.: *Trichocerca relicta* Donner, 1950
Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Borges and Pedrozo 2009; Souza-Soares *et al*. 2011.

*Trichocerca ornata* Myers, 1934
Souza-Soares *et al*. 2011.

*Trichocerca plaka* Myers, 1938
Bonecker *et al.* 2009.

*Trichocerca platessa* (Myers, 1934)
Koste 2000.

*Trichocerca porcellus* (Gosse, 1851)
Murray 1913; Krau 1967; Koste 1972b; 1974a,b; Turner and da Silva 1992; Segers and Sarma 1993; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al*. 2011.

*Trichocerca pusilla* (Jennings, 1903)
*Rattulus pusillus* Jennings, 1903
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; 1974a; Koste and Robertson 1983; Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Aoyagui *et al.* 2003; Landa *et al.* 2002; Sampaio *et al.* 2002; Azevedo and Bonecker 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; 2009; Cabianca 2005; Sendacz *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Neves and Serafim-Júnior 2007; Melo-Junior *et al.* 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Trichocerca rattus* (Müller, 1776)
Syn.: *Trichocerca rattus carinata* Ehrenberg, 1830
Hauer 1953; Krau 1967; Koste 1972b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner 1990; Maia-Barbosa *et al.* 2008; Souza-Soares *et al*. 2011.

*Trichocerca rosea* (Stenroos, 1898)
Koste and Robertson 1990; Turner and da Silva 1992; Souza-Soares *et al*. 2011.

*Trichocerca rotundata* Myers, 1937
Segers and Sarma 1993; de Paggi and Koste 1995.

*Trichocerca rousseleti* (Voigt, 1902)
Koste 1972a; Souza-Soares *et al*. 2011.

*Trichocerca ruttneri* Donner, 1953
Koste 1972a; Souza-Soares *et al*. 2011.

*Trichocerca scipio* (Gosse, 1886)
Syn.: *Trichocerca jenningsi* Voigt, 1957
Koste and Robertson 1990; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Souza-Soares *et al*. 2011.

*Trichocerca siamensis* Segers and Pholpunthin, 1997
Segers 2003.

*Trichocerca similis* (Wierzejski, 1893)
Green 1972; Koste 1972a; 1974a; Hardy 1980; Koste and Robertson 1983; 1990; Koste and Hardy 1984; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Branco *et al.* 2000; 2005; 2007; Esteves *et al*. 2000; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Keppeler 2003; Aoyagui and Bonecker 2004b; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; de Melo *et al.* 2006; Abra 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Trichocerca similis grandis* Hauer, 1965
Hauer 1965; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Bozelli 1992; Garcia *et al.* 1998; Branco *et al.* 2000; 2005; 2008; de Azevedo and Bonecker 2003; Cabianca 2005; Abra 2008; Neves and Serafim-Júnior 2007; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al*. 2011.

*Trichocerca similis similis* (Wierzejski, 1893)
Syn.: *Diurella stylata* Eyferth, 1878
Hauer 1953; Krau 1967; Koste 1972a; Koste *et al.* 1984; Bozelli 1992; Cabianca 2005; Branco *et al.* 2005.

*Trichocerca simoneae* De Smet, 1990
Turner and da Silva 1992.

*Trichocerca stylata* (Gosse, 1851)
Syn.: *Rattullus stylatus* Jennings, 1903
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; Koste and Hardy 1984; Turner and da Silva 1992; Espíndola *et al.* 1996; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Abra 2008; Maia-Barbosa *et al.* 2008; Ferraz *et al.* 2009; Souza-Soares *et al*. 2011.

*Trichocerca tenuidens* (Hauer, 1931)
Souza-Soares *et al*. 2011.
Remarks: It was considered as *species inquirenda* in Segers (2007).

*Trichocerca tenuior* (Gosse, 1886)
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Souza-Soares *et al*. 2011.

*Trichocerca tigris* (Müller, 1786)
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Borges

and Pedrozo 2009; Souza-Soares *et al*. 2011.

*Trichocerca uncinata* (Voigt, 1902)

Koste 1972a; Koste 1974a.

*Trichocerca vargai* Wulfert, 1961

Oliveira-Neto and Moreno 1998; Souza-Soares *et al*. 2011.

*Trichocerca voluta* (Murray, 1913)

Murray 1913; Krau 1967; Koste 1972b; 1974b; Koste and Robertson 1983; Souza-Soares *et al*. 2011.

*Trichocerca weberi* (Jennings, 1903)

Koste 1972a,b; 1974a,b; Souza-Soares *et al*. 2011.

Genus *Trichotria* Bory de St. Vincent, 1827

*Trichotria tetractis* (Ehrenberg, 1830)

Hauer 1965; Thomasson 1971; Green 1972; Koste 1972a,b; 1974a,b; Hardy 1980; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Dabés 1995; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al*. 2000; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Millan 2009; Negreiros *et al*. 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al*. 2011; Souza-Soares *et al*. 2011.

*Trichotria tetractis caudata* (Lucks, 1912)

Koste 1972a.

Remarks: Segers (2007) reported that this species may be a mere infrasubspecific variant.

*Trichotria tetractis similis* (Stenroos, 1898)

Koste 2000.

Remarks: Segers (2007) reported that this species may be a mere infrasubspecific variant.

*Trichotria tetractis tetractis* (Ehrenberg, 1830)

Koste 2000; Serafim-Júnior *et al.* 2006.

Genus *Tripleuchlanis* Myers, 1930

*Tripleuchlanis plicata* (Levander, 1894)

Syn.: *Tripleuchlanis plicata plicata* (Levander, 1894)

Koste and Robertson 1983; Lansac-Tôha *et al.* 2009; Souza-Soares *et al*. 2011.

Genus *Trochosphaera* Semper, 1872

*Trochosphaera aequatorialis* Semper, 1872

Koste and Robertson 1983; Sendacz and Costa 1991; Bozelli 1992; Espíndola *et al.* 1996; 2000; Oliveira-Neto and Moreno 1998; Keppeler 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Souza-Soares *et al*. 2011.

Genus *Vanoyella* Evens, 1947

*Vanoyella globosa* Evens, 1947

Espíndola *et al.* 1996; 2000; Souza-Soares *et al*. 2011.

**Acknowledgments:** We are indebted to Hendrik Segers for reviewing the first draft of this manuscript and Maikon di Domenico, Renata Senna Garraffoni, Hendrik Segers and Leonardo Querubin Yokohama for helping us providing literature. We also would like to thank the reviewers Ciro Joko and Claudia Costa Bonecker for their suggestions and criticism that improved the manuscript. Janet W. Reid edited the English text.

## Literature Cited

Abra, J. 2008. *Variação sazonal da composição, abundância e diversidade de rotíferos na Lagoa do Coqueiral, lateral ao Rio Paranapanema em sua zona de desembocadura na Represa Jurumirim, SP*. Unpublished Thesis. Botucatu: Universidade Estadual Paulista. 88 p.

Ahlstrom, E.H. 1938. Plankton Rotatoria from Northeast Brazil. *Anais da Academia Brasileira de Ciências* 10: 29–45.

Ahlstrom, E.H. 1940. A revision of the Rotatorian genera *Brachionus* and *Platyias* with descriptions of one new species and two new varieties. *Bulletin of the American Museum of Natural History* 77: 143–184.

Almeida, V.L.S., M.E.L. de Larrazábal, A.N. Moura and M. de Melo-Júnior. 2006. Rotifera das zonas limnética e litorânea do reservatório de Tapacurá, Pernambuco, Brasil. *Iheringia, Série Zoologica* 96: 445–451.

Almeida, V.L.S., E.W. Dantas, M. Melo-Júnior, M.C. Bittencourt-Oliveira and A.N. Moura. 2009. Zooplanktonic community of six reservoirs in northeast Brazil. *Brazilian Journal of Biology* 69: 57–65.

Aoyagui, A.S.M., C.C. Bonecker, F.A. Lansac-Tôha and L.F.M. Velho. 2003. Estrutura e dinâmica dos rotíferos no reservatório de Corumbá, Estado de Goiás, Brasil. *Acta Scientiarum*: *Biological Sciences* 25: 31–39.

Aoyagui, A.S.M. and C.C. Bonecker. 2004a. The art status of rotifer studies in natural environments of South America: floodplains. *Acta Scientiarum*: *Biological Sciences* 26: 385–406.

Aoyagui, A.S.M. and C.C. Bonecker. 2004b. Rotifers in different environments of the Upper Paraná River floodplain (Brazil): richness, abundance and the relationship with connectivity. *Hydrobiologia* 522: 281–290.

Batista, C.A. 2007. *Estrutura da Comunidade Zooplanctônica e qualidade da Água no Lago Paranoá, Brasília, DF*. Unpublished Thesis. Brasília: Universidade de Brasília. 104 p.

Bezerra-Neto, J.F., L.R. Aguila, G.G. Landa and R.M. Pinto-Coelho. 2004. The exotic rotifer *Kellicottia bostoniensis* (Rousselet, 1908) (Rotifera: Brachionidae) in the zooplankton community in a tropical reservoir. *Lundiana* 5: 151–153.

Bonecker, C.C. and A.S.M. Aoyagui. 2005. Relationships between rotifers, phytoplankton and bacterioplankton in the Corumbá reservoir, Goias State, Brazil. *Hydrobiologia* 546: 415–421.

Bonecker, C.C., C.L. da Costa, L.F.M. Velho and F.A. Lansac-Tôha. 2005. Diversity and abundance of the planktonic rotifers in different environments of the Upper Paraná River floodplain (Paraná State - Mato Grosso do Sul State, Brazil). *Hydrobiologia* 546: 405–414.

Bonecker, C.C., A.S.M. Aoyagui and R.M. Santos. 2009. The impact of impoundment on the rotifer communities in two tropical floodplain environments: interannual pulse variations. *Brazilian Journal of Biology* 69: 529–537.

Borges, M.G. and C.S. Pedrozo. 2009. Variações da riqueza, diversidade e abundância do zooplâncton (Cladocera, Copepoda e Rotifera) do Delta do Jacuí, RS, Brasil, em resposta ao nível fluviométrico. *Acta Limnologica Brasiliensia* 21: 101–110.

Bozelli, R.L. 1992. Composition of the zooplankton community of Batata and Mussurá Lakes and of the Trombetas River, State of Pará, Brazil. *Amazoniana* 12: 239–261.

Bozelli, R.L. 1994. Zooplankton community density in relation to water level fluctuations and inorganic turbidity in an Amazonian lake, "Lago Batata", State of Pará, Brazil. *Amazoniana* 8: 17–32.

Branco, C.W.C., F.A. Esteves and B. Kozlowsky-Suzuki. 2000. The zooplankton and other limnological features of a humic coastal lagoon (Lagoa Comprida, Macaé, RJ) in Brazil. *Hydrobiologia* 437: 71–81.

Branco, C.W.C., B. Kozlowsky-Suzuki and S.J. De Paggi. 2005. Rotifers from a humic coastal lagoon of Rio de Janeiro State, Brazil. *Studies on Neotropical Fauna and Environment* 40: 255–265.

Branco, C.W.C., M.I.A. Rocha, G.F.S. Pinto, G.A. Gômara and R. de Filippo. 2002. Limnological features of Funil Reservoir (RJ, Brazil) and indicator properties of rotifers and cladocerans of the zooplankton community. *Lakes and Reservoirs*: *Research and Management* 7: 87–92.

Branco, C.W.C., B. Kozlowsky-Suzuki and F.A. Esteves. 2007. Environmental changes and zooplankton temporal and spatial variation in a disturbed brazilian coastal lagoon. *Brazilian Journal of Biology* 67: 251–262.

Branco, C.W.C., B. Kozlowsky-Suzuki, F.A. Esteves and T. Aguiaro. 2008. Zooplankton distribution and community structure in a brazilian coastal lagoon. *Vie et milieu* 58: 1–9.

Brandorff, G.O., W. Koste and N. Smirnov. 1982. The composition and structure of Rotiferan and Crustacean communities of the lower Rio Nhamundá, Amazonas Brazil. *Studies on Neotropical Fauna and Environment* 17: 69–121.

Cabianca, M.A.A. 2005. *A comunidade zooplanctônica de lagos de pesca da Região Metropolitana de São Paulo*: *aspectos ecológicos e sanitários*. Unpublished thesis. São Paulo: Universidade de São Paulo. 130 p.

Campos, J.R.C., F.A. Lansac-Tôha, M.A. Nunes, A.P. Garcia and F.R. Prado. 1996. Composição da comunidade zooplanctônica de três lagoas da ilha Porto Rico na planície de inundação do alto rio Paraná. *Acta Limnologica Brasiliensia* 8: 183–194.

Casanova, S.M.C., E.A. Panarelli and H. Raoul. 2009. Rotifera abundance, biomass, and secondary production after the recovery of hydrologic connectivity between a river and two marginal lakes (São Paulo, Brazil). *Limnologica* 39: 292–301.

Cavalcanti, E.A.H, S. Neumann-Leitão and D.A.N. Vieira. 2008. Mesozooplâncton do sistema estuarino de Barra das Jangadas, Pernambuco, Brasil. *Revista Brasileira de Zoologia* 25: 436–444.

Crsipim, M.C. and T. Watanabe. 2000. Caracterização limnológica das bacias doadoras e receptoras de águas do rio São Francisco: 1-Zooplâncton. *Acta Limnologica Brasiliensia* 12: 93–103.

Crispim, M.C. and G.T.P. Freitas. 2005. Seasonal effects on zooplanktonic community in a temporary lagoon of northeast Brazil. *Acta Limnologica Brasiliensia* 17: 385–393.

Dabés, M.B.G.S. 1995. Composição e descrição do zooplâncton de 5 (cinco) lagoas marginais do rio São Francisco, Pirapora, Três Marias, Minas Gerais, Brasil. *Revista Brasileira de Biologia* 55: 831–845.

Dantas-Silva, L.T. and E.W. Dantas. 2012. Rotifera of the Três Lagoas Lake Complex, João Pessoa, state of Paraíba, Brazil. *Check List* 8(1): 135–137.

de Azevedo, F. and C.C. Bonecker. 2003. Community size structure of zooplanktonic assemblages in three lakes on the upper River Paraná floodplain, PR-MS, Brazil. *Hydrobiologia* 505: 147–158.

de Melo, N.F.A.C., R.S. Paiva and M.M.T. da Silva. 2006. Considerações ecológicas sobre o zooplâncton do lago Bolonha, Belém, Pará, Brasil. *Boletim do Museu Paraense Emilio Goeldi*: *Ciências Naturais* 5: 115–125.

de Paggi, S.J., and W. Koste. 1995. Additions to the Ckecklist of Rotifers of the Superorder Monogononta recorded from Neotropis. *Internationale Revue gesamten Hydrobiologie* 80: 133–140.

de Paggi, S.J., C.W.C. Branco and B. Kozlowsky-Suzuki. 2000. Description of *Macrochaetus kostei* n. sp. (Rotifera, Trichotriidae) from a coastal lagoon of Rio de Janeiro, Brazil. *Studies on Neotropical Fauna Environment* 35: 157–160.

de Souza, F.B.V.A., S. Neumann-Leitão and M.N. Paranaguá. 1998. Rotifera do sistema estuarino do Rio Goiana, Pernambuco, Brasil. *Trabalhos em Oceanografia da Universidade Federal de Pernambuco* 26: 31–62.

Eskinazi-Sant´Anna, E.M., R. Menezes, I.S. Costa, R.F. Panosso, M.F. Araújo and J.L. Attayde. 2007. Composição da comunidade zooplanctônica em reservatórios eutróficos do semi-árido do Rio Grande do Norte. *Oecologia Brasiliensis* 11: 410–421.

Espíndola, E.G., T. Matsumra-Tundisi and I.H. Moreno. 1996. Efeitos da dinâmica hidrológica do sistema pantanal matogrossense sobre a estrutura da comunidade de zooplâncton da lagoa Albuquerque. *Acta Limnologica Brasiliensia* 8: 37–57.

Espíndola, E.L.G., T. Matsumura-Tundisi, A.C. Rietzler and J.G. Tundisi. 2000. Spatial heterogeneity of the Tucurui reservoir (State of Pará, Amazonia, Brazil) and the distribution of zooplanktonic species. *Revista Brasileira de Biologia* 60: 179–194.

Esteves, K.E., S. Sendacz, A.V.P. Lôbo and M.B. Xavier. 2000. Características físicas, químicas e biológicas de três lagoas marginais do Rio Mogi-Guaçu e avaliação do seu papel como viveiro natural de espécies de peixes reofílicos. *Boletim do Instituto de Pesca* 26: 169–180.

Ferraz, H.D.A., G.G. Landa and H. Paprocki. 2009. Zooplankton of an urban stretch, Itapecerica river, Divinópolis, Minas Gerais, Brazil. *Check List* 5(4): 890–894.

Fontaneto, D., W.H. De Smet and G. Melone. 2008. Identification key to the genera of marine rotifers worldwide. *Meiofauna Marina* 16: 75–99.

Garcia, A.P.P., F.A. Lansac-Tôha and C.C. Bonecker. 1998. Species composition and abundance of Rotifers in different environments of the floodplain of the upper Paraná River, Brazil. *Revista Brasileira de Zoologia* 15: 327–343.

Gillard, A. 1967. Rotifères de l'Amazonie. *Bulletin de l'Institut royal des Sciences naturelles de Belgique Biologie* 43: 1–20.

Green, J. 1972. Freshwater ecology in the Mato Grosso, Central Brazil. III. Associations of Rotifera in meander lakes of the Rio Suiá Missú. *Journal of Natural History* 6: 229–241.

Hardy, E.R. 1980. Composição do zooplâncton em cinco lagos da Amazônia Central. *Acta Amazonica* 10: 577–609.

Hauer, J. 1953. Zur Rotatorienfauna von Nordostbrasilien. *Archiv für Hydrobiologie* 48: 154–172.

Hauer, J. 1958. Beitrag zur Kenntnis südamerikanischer Rotatorien. *Beiträge zur Naturkundlichen Forschung in Südwestdeutschlands* 17: 174–178.

Hauer, J. 1964. *Lecane remanei* n. sp., eines neues Rädertier aus dem Amazonas-Gebiet. *Zoological Anzeiger* 172: 27–30.

Hauer, J. 1965. Zur Rotatorienfauna des Amazonasgebietes. *Internationale Revue gesamten Hydrobiologie* 50: 341–389.

Joko, C.Y., F.A. Lansac-Tôha, E.A. Murakami and C.C. Bonecker. 2008. Novas ocorrências de *Lecane* no plâncton de distintos ambientes da planície de inundação do alto rio Paraná. *Acta Scientiarum: Biological Sciences* 30: 165–171.

Keppeler, E.C. 2003. Comparative study of the zooplankton composition of two lacustrine ecosystems in Southwestern Amazonia. *Acta Scientiarum*: *Biological Sciences* 25: 467–477.

Keppeler, E.C. and E.R. Hardy. 2004. Abundance and composition of Rotifera in an abandoned meander lake (Lago Amapá) in Rio Branco, Acre, Brazil. *Revista Brasileira de Zoologia* 21: 233–241.

Koste, W. 1972a. Rotatorien aus Gewässern Amazoniens. *Amazoniana* 3: 258–505.

Koste, W. 1972b. Über ein sessiles Rädetier aus Amazonien *Floscularia noodti* sp. n. *Archiv für Hydrobiologie* 70: 534–540.

Koste, W. 1973. *Horaella thomassoni* n. sp., ein neues Radertier aus Gewassern der Guiana-Brasilianischen Region der Neotropis. *Archiv für Hydrobiologie* 72: 375–383.

Koste, W. 1974a. Rotatorien aus einem Ufersee des unteren Rio Tapajós, dem Lago Paroni. *Gewässer und Abwässer* 53/54: 43–68.

Koste, W. 1974b. Zur Kenntnis der Rotatorienfauna der "schimmenden Wiese" einer Uferlagune in der Várzea Amazoniens, Brasilien. *Amazoniana* 5: 25–59.

Koste, W. 1978a. *Rotatoria*. *Die Rädertiere Mitteleuropas*. *Ein Bestimmungswerk*, *begründet von Max*, vol. 1, 2. Voigt Überordnung Monogononta (Germany). 907p.

Koste, W. 1978b. Über *Testudinella ohlei* Koste, 1972 ein Rädertier der U.-Ordnung Flosculariacea aus der Guiana-Brasilianischen Region der Neotropis. *Archiv für Hydrobiologie* 82: 359–363.

Koste, W. 1986. Über die Rotatorienfauna in Gewässen südöstich on Concepción, Paraguay, Sädamerika. *Osnabrucker Naturwissenschaften Mitteilungen* 12: 129–155.

Koste, W. 2000. Study of the Rotatoria-Fauna of the Littoral of the Rio Branco, South of Boa Vista, Northern Brazil. *International Review of Hydrobiology* 85: 433–469.

Koste, W. and E.R. Hardy. 1984. Taxonomic studies and new distribution records of Rotifera (phylum Aschelminthes) from Rio Jatapú and Uatumã, Amazonas, Brazil. *Amazoniana* 9: 17–29.

Koste, W. and B.A. Robertson. 1983. Taxonomic studies of the rotifera (phylum Aschelminthes) from a Central Amazonian varzea lake, Lago Camaleão (Ilha de Marchantaria, Rio Solimões, Amazonas, Brazil). *Amazoniana* 8: 225–254.

Koste, W. and B.A. Robertson. 1990. Taxonomic studies of the rotifera from shallow waters on the Island of Maracá. Brazil. *Amazoniana* 6: 185–200.

Koste, W., B. Robertson and E. Hardy. 1984. Further taxonomical studies of the Rotifera from Lago Camaleao, a Central Amazonian varzea lake (Ilha de Marchantaria, Rio Solimoes, Amazonas.) *Amazoniana* 8: 555–576.

Krau, L. 1962. *Brachionus variegatus*, nova espécie de rotatoria (Brachionidae). *Memórias do Instituto Oswaldo Cruz* 60: 389–391.

Krau, L. 1967. Contribuição ao estudo dos Rotataria do Brasil. I. Lista das espécies verificadas. *Memórias do Instituto Oswaldo Cruz* 65: 153–166.

Krau, L. 1972. Contribuição ao estudo dos rotíferos brasileiros: Syn*chaeta tremula* var. *digitata* nova variedade. *Memórias do Instituto Oswaldo Cruz* 70: 499–511.

Landa, G. G., L.M.R. del Aguila and R.M. Pinto-Coelho. 2002. Distribuição espacial e temporal de *Kellicottia bostoniensis* (Rousselet, 1908) (Rotifera) em um grande reservatório tropical (reservatório de Furnas), Estado de Minas Gerais, Brasil. *Acta Scientiarum*: *Biological Sciences* 24: 313–319.

Landa, G.G. and L.R. Mourgués-Schurter. 2000a. Composição e abundância do zooplâncton de duas represas d Campus da Universidade Federal de Lavras, Minas Gerais, Brasil. *Acta Limnologica Brasiliensia* 12: 29–43.

Landa, G.G. and L.R. Mourgés-Schurter. 2000b. Caracterização da comunidade zooplanctônica de um sistema artificial (represa zootecnia), no Campus da Universidade Federal de Lavras. MG. *Acta Limnologica Brasiliensia* 12: 69–83.

Lansac-Tôha, F.A., A.F. Lima, S.M. Thomaz and M.C. Roberto. 1993. Zooplâncton de uma planície de inundação do rio Paraná. II. Variação sazonal e influência dos níveis fluviométricos sobre a comunidade. *Acta Limnologica Brasiliensia* 7: 42–55.

Lansac-Tôha, F.A., C.C. Bonecker, L.F.M. Velho, N.R. Simões, J.D. Dias, G.M. Alves and E.M. Takahashi. 2009. Biodiversity of zooplankton communities in the Upper Paraná River floodplain: interannual variation from long-term studies. *Brazilian Journal of Biology* 69: 539–549.

Leitão, A.C., R.H. Freire, O. Rocha and S.T. Santaella. 2006. Zooplankton community composition and abundance of two Brazilian semiarid reservoirs. *Acta Limnologica Brasiliensia* 18: 451–468.

Lopes, R.M. 1994. Zooplankton Distribution in the Guaraú River Estuary (South-eastern Brazil). *Estuarine, Coastal and Shelf Science* 39: 287–

302.
Lucinda, I., I.H. Moreno, M.G.G. Melão and T. Matsumura-Tundisi. 2004. Rotifers in freshwater habitats in the upper Tietê river basin, São Paulo State, Brazil. *Acta Limnologica Brasiliensia* 16: 203–224.
Magalhães, C. and D.M. Pimpão. 2004. Catalogue of type specimens of invertebrates in the collection of the Instituto Nacional de Pesquisa da Amazônia, Manaus, Brazil. I. Acanthocephala, Nematoda and Rotifera. *Revista Brasileira de Zoologia* 23: 630–636.
Maia-Barbosa, P.M., R.S. Peixoto and A.S. Guimarães. 2008. Zooplankton in littoral waters of a tropical lake: a revisited biodiversity. *Brazilian Journal of Biology* 68: 1069–1078.
Martínez, J.C.C., A. Canesin and C.C. Bonecker. 2000. Species composition of rotifers in different habitats of an artificial lake, Mato Grosso do Sul State, Brazil. *Acta Scientiarum*: *Biological Sciences* 22: 343–346.
Matsumura-Tundisi, T., S. Neumann-leitão, L.S. Aguena and J. Miyahara. 1990. Eutrofização de Represa de Barra Bonita. Estrutura e organização da comunidade de rotífera. *Revista Brasileira de Biologia* 50: 923–935.
Medeiros, L.R.A. and V. F. Hadel. 1999. Rotifera; 79–85 p. *In* A.E. Migoto and C.G. Tiago (ed.). *Biodiversidade do estado de São Paulo, síntese do conhecimento ao final do século XX*. São Paulo: Edusp.
Melo-Júnior, M., V.L.S. Almeida, S. Neumann-Leitão, M.N. Paranaguá and A.N. Moura. 2007. O estado da arte da biodiversidade de rotíferos planctônicos de ecossistemas límnicos de Pernambuco. *Biota Neotropica* 7: 109–117.
Melone, G., C. Ricci, H. Segers and R.L. Wallace. 1998. Phylogenetic relationships of phylum Rotifera with emphasis on the families of Bdelloidea, *Hydrobiologia* 387/388: 101–107.
Millan, R.N. 2009. *Dinâmica da qualidade da água em tanques de peixes de sistema pesque-pague: aspectos físico-químicos e plâncton*. Unpublished Thesis. Jaboticabal: Universidade Estadual Paulista. 97 p.
Murray, J. 1913. South American Rotifera. *Journal of the Royal Microscopical Society* (I): 229–245; (II): 341–362; (III): 449–454.
Nascimento, V.C. 2008. *Aspectos do enchimento da represa Paraitinga, Sistema Produtor alto Tietê: zooplâncton e qualidade da água*. Unpublished Thesis. São Paulo: Universidade de São Paulo. 119 p.
Negreiros, N.F., M.J. Santos-Wisniewsk, R.M. Santos and O. Rocha. 2010. The influence of environmental factors on the seasonal dynamics and composition of Rotifera in the Sapucaí River arm of Furnas Reservoir, MG, Brazil. *Biota Neotropica* 10: 173–182.
Neumann-Leitão, S. and F.B.V.A. de Souza. 1987. Rotíferos (Rotataria) planctônicos do açude de Apipucos, Recife-Pernambuco (Brasil). *Arquivo de Biologia e Tecnologia* 30: 393–418.
Neumann-Leitão, S. 1985/1986a. Rotatoria da área estuarina lagunas de Suape, Pernambuco (Brasil). I. Espécies referidas pela primeira vez para o Brasil. *Trabalhos Oceanográficos da Universidade Federal de Pernambuco* 19: 101–112.
Neumann-Leitão, S. 1985/1986b. Rotíferos de Pernambuco. III: ocorrência de *Lecane grandis* (Rotatoria) em viveiros estuarinos de Itamaracá-PE (Brasil). *Trabalhos Oceanográficos da Universidade Federal de Pernambuco* 19: 125–130.
Neumann-Leitão, S. 1990. Estudos taxonômicos dos Rotatoria da área estuarina lagunar de Suape, Pernambuco (Brasil). *Trabalhos Oceanográficos da Universidade Federal de Pernambuco* 21: 103–164.
Neves, G.P. and M. Serafim-Júnior. 2007. Zooplâncton de um trecho do Rio Laranjinha (Bacia do Rio Paranapanema), Estado do Paraná, Brasil. *Estudos em Biologia* 29: 257–268.
Neves, I.F., O. Rocha, K.F. Roche and A.A. Pinto. 2003. Zooplankton community structure of two marginal lakes of the River Cuiabá (Mato Grosso, Brazil) with analysis of Rotifera and Cladocera diversity. *Brazilian Journal of Biology* 63: 329–343.
Nogueira, M.G. and E. Panarelli. 1997. Estudo da migração vertical das populações zooplanctônicas na represa de jurumirim (Rio Paranapanema - São Paulo, Brasil). *Acta Limnologica Brasiliensia* 9: 55–81.
Nogueira, M.G. and T. Matsumura-Tundisi. 1996. Limnologia de um sistema artificial raso (Represa do Monjolinho - São Carlos, SP) dinâmica das populações planctônicas. *Acta Limnologica Brasiliensia* 8: 149–168.
Nunes, M.A., F.A. Lansac-Tôha, C.C. Bonecker, M.C. Roberto and L. Rodrigues. 1996. Composição e abundância do zooplâncton de duas Lagoas do Horto Florestal Dr. Luiz Teixeira Mendes, Maringá, Paraná. *Acta Limnologica Brasiliensia* 8: 207–219.
Oliveira, L.P.H. 1959. Limnologische Notizen über die Rio de Janeiro-Lagunen. *Archiv für Hydrobiologie* 55: 238–263.
Oliveira, L.P.H., L. Krau, R. Nascimento and A.S.A. Miranda. 1967. Plâncton e hidrobiologia sanitária de tanques tropicais com dáfnias e rotíferos. *Memórias do Instituto Oswaldo Cruz* 65: 115–145.
Oliveira, L.P.H., R. Nascimento and A.S.A. Miranda. 1971. Plâncton poluído da Guanabara com copépodos *Cletocamptus* e rotíferos *Rotataria*. *Arquivos do Museu Nacional* 54: 55–56.
Oliveira-Neto, A.L. and I.H. Moreno. 1998. Filo Rotifera; p. 39–52. *In* C.A. Joly and C.E.M. Bicudo (ed.). *Biodiversidade do Estado de São Paulo*. São Paulo: FAPESP.
Palazzo, F., C.C. Bonecker and M.Y. Nagae. 2008. Zooplankton dormancy forms in two environments of the upper Paraná River floodplain (Brazil). *Acta Limnologica Brasiliensia* 20: 55–62.
Paranaguá, M.N. and S. Neumann-Leitão. 1982. Rotíferos de Pernambuco II. Espécies Planctônicas que Ocorrem nos Viveiros de Camarões do Cabo - PE. *Trabalhos Oceanográficos da Universidade Federal de Pernambuco* 17: 123–134.
Pareschi, D.C. 2004. *Caracterização da fauna de rotífera em área alagada construída para tratamento de esgoto: Piracicaba (SP)*. Unpublished Thesis. São Carlos: Universidade Federal de São Carlos 180 p.
Padovesi-Fonseca, C., L. Mendonça-Galvão and Andreoni-Batista, C. 2011. Rotifera, Paranoá reservoir, Brasília, central Brazil. *Check List* 7(3): 248–251.
Reid, J.W. and P.N. Turner. 1988. Planktonic Rotifera, Copepoda and Cladocera from lagos Açú and Viana, State of Maranhão, Brazil. *Revista Brasileira de Biologia* 48: 485–495.
Rossa, D.C. and C.C. Bonecker. 2003. Abundance of planktonic and non-planktonic rotifers in lagoons of the Upper Paraná River floodplain. *Amazoniana* 17: 567–581.
Santos, R.M. 2010. *Estrutura das comunidades fitoplanctônicas e zooplanctônicas com ênfase na produção secundária do zooplâncton, e fatores ambientais relacionados nos reservatórios do Baixo Tietê, SP*. Unpublished Thesis. São Carlos: Universidade Federal de São Carlos. 379 p.
Sampaio, E.V. and C.M. López. 2000. Zooplankton community composition and some limnological aspects of an oxbow Lake of the Paraopeba River, São Francisco River Basin, Minas Gerais, Brazil. *Brazilian Archives of Biology and Technology* 43: 285–293.
Sampaio, E.V., O. Rocha, T. Matsumura-Tundisi and J.G. Tundisi. 2002. Composition and abundance of zooplankton in the limnetic zone of seven reservoirs of the Paranapanema River, Brazil. *Brazilian Journal of Biology* 62: 525–545.
Sartori, L.P., M.G. Nogueira, R. Henry and E.M. Moretto. 2009. Zooplankton fluctuations in Jurumirim Reservoir (São Paulo, Brazil): a three-year study. *Brazilian Journal of Biology* 69: 1–18.
Schaden, R. 1976. *Faunistische Untersuchungen Planktischer Radertiere Amazoniens mit einem Überblick über die kenntinisse südamerikanischer. Arten und unterarter*. Unplished Thesis. Kiel: University of Kiel. 320 p.
Schaden, R. 1978. Zur Diversität und Identität amazonischer Rotatorienzoome. *Amazoniana* 6: 347–371.
Sendacz, S. and S.S.M. Costa. 1991. Caracterização do zooplâncton do rio Acre e lagos Lua Nova, Novo Andirá e Amapá (Amazônia, Brasil). *Revista Brasileira de Biologia* 51: 463–470.
Sendacz, S., S. Caleffi and J. Santos-Soares. 2006. Zooplankton biomass of reservoirs in different trophic conditions in the state of São Paulo, Brazil. *Brazilian Journal of Biology* 66: 337–350.
Segers, H. 1994. On four new tropical and subtropical *Lecane* (Lecanidae, Monogononta, Rotifera). *Hydrobiologia* 287: 243–249.
Segers, H. 1996. The biogeography of littoral *Lecane* Rotifera. *Hydrobiologia* 323: 169–197.
Segers, H. 1997. Contribution to a revision of *Floscularia* Cuvier, 1798 (Rotifera: Monogononta): notes on some Neotropical taxa. *Hydrobiologia* 354: 165–175.
Segers, H. 2003. A biogeographical analysis of rotifers of the genus *Trichocerca* Lamarck, 1801 (Trichocercidae, Monogononta, Rotifera), with notes on taxonomy. *Hydrobiologia* 500: 103–114.
Segers, H. 2007. Annotated checklist of the rotifers (Phylum Rotifera), with notes on nomenclature, taxonomy and distribution. *Zootaxa* 1564: 1–104.
Segers, H. 2008. Global diversity of rotifers (Rotifera) in freshwater. *Hydrobiologia* 595: 49–59.
Segers, H., E.N. dos Santos-Silva and A.L. Oliveira-Neto. 1993a. New and Rare Species of *Lecane* and *Lepadella* (Rotifera; Lecanidae; Colurellidae) from Brazil. *Belgian Journal of Zoology* 123: 113–121.
Segers, H., G. Murugan and H.J. Dumont. 1993b. On the taxonomy of the Brachionidae: description of *Plationus* n. gen. (Rotifera, Monogononta). *Hydrobiologia* 268: 1–8.
Segers, H. and S.S.S. Sarma. 1993. Notes on some new or little known Rotifera from Brazil. *Revue d' Hydrobiologie tropicale* 26: 175–185.
Segers H. and H.J. Dumont. 1995. 102+ rotifer species (Rotifera: Monogononta) in Broa reservoir (SP, Brazil) on 26 August 1994, with the description of three new species. *Hydrobiologia* 316: 183–197.
Segers, H. and R. Pourriot. 1997. On a new and puzzling American rotifer (Rotifera: Monogononta, Lecanidae). *Journal of Natural History* 31: 383–388.
Segers, H. and R.L. Wallace. 2001. Phylogeny and classification of the Conochilidae (Rotifera, Monogononta, Flosculariacea). *Zoologica Scripta* 30: 37–48.

Segers, H. and W.H. De Smet. 2008. Diversity and endemism in Rotifera: a review, and *Keratella* Bory de St Vincent. *Biodiversity and Conservation* 17: 303–316.

Serafim-Júnior, M., C.C. Bonecker, D.C. Rossa, F.A. Lansac-Tôha and C.L. Costa. 2003. Rotifers of the upper Paraná River floodplain: additions to the checklist. *Brazilian Journal of Biology* 63: 207–212.

Serafim-Júnior, M., G.P. Neves, L. de Brito and A.R. Ghidini. 2006. Zooplâncton do rio Itajaí-Açú a jusante da cidade de Blumenau, Santa Catarina, Brasil. *Estudos em Biologia* 28: 41–50.

Serafim-Júnior, M., G.P. Neves, L. de Brito, A.R. Ghidini and S.M.C. Casanova. 2010. Variação espaço-temporal de Rotifera em um reservatório eutrofizado no sul do Brasil. *Iheringia, Série Zoologica* 100: 233–241.

Souza-Soares, F., J.G. Tundisi and T. Matsumura-Tundisi. 2011. Checklist de Rotifera de água doce do Estado de São Paulo, Brasil. *Biota Neotropica* 11(1a): *in press*.

Spandl, H. 1926. Das Zooplankton des Paranagua-sees. *Denkschriften der Akademie der Wissenschaften in Wien*: *Mathematisch-Naturwissenschaftliche* 76: 101–105.

Thomasson, K. 1971. Amazonian Algae. *Mémoires de l'Institute Royal dês Sciences Naturelles de Bélgique* 86: 1–57.

Turner, P.N. 1987. A New Rotifer from a coastal lake in Southeastern Brazil: *Hexarthra longicornicula* n. sp. *Hydrobiologia* 153: 169–174.

Turner, P.N. 1990. Some rotifers from coastal lakes of Brazil, with description of a new rotifer, *Lepadella* (*Xenolepadella*) *curvicaudata* n. sp. *Hydrobiologia* 208: 141–152.

Turner, P.N. and C. da Silva. 1992. Littoral rotifers from the State of Mato Grosso, Brazil. *Studies on Neotropical Fauna and Environment* 27: 227–241.

Ulloa, V. 2004. Density and biomass of planktonic rotifers in different habitats in upper Paraná River (PR, Brazil). *Acta Limnologica Brasiliensia* 16: 281–292.

Vitorio, U.S.R. 2006. *Rotíferos* (*Rotatoria*) *como indicadores da qualidade ambiental da bacia do Pina Recife* (*PE-Brasil*). Unpublished Thesis. Recife: Universidade Federal de Pernambuco. 72 p.

Waichman, A.V., C.R. García-Dávila, E.R. Hardy and B.A. Robertson. 2002. Composição do zooplâncton em diferentes ambientes do Lago Camaleão, na Ilha da Marchantaria, Amazonas, Brasil. *Acta Amazonica* 32: 339–347.

Zelinka, C. 1891. Studien über Rädertiere, 3: zur Entwicklungsgeschichte der Rädertiere nebst Bemerkungen über ihre Anatomie und Biologie. *Zeitschrift für Wissenschaftliche Zoologie* 53: 1–159.

Received: October 2011
Accepted: May 2012
Published online: June 2012
Editorial responsibility: Rodrigo Johnsson